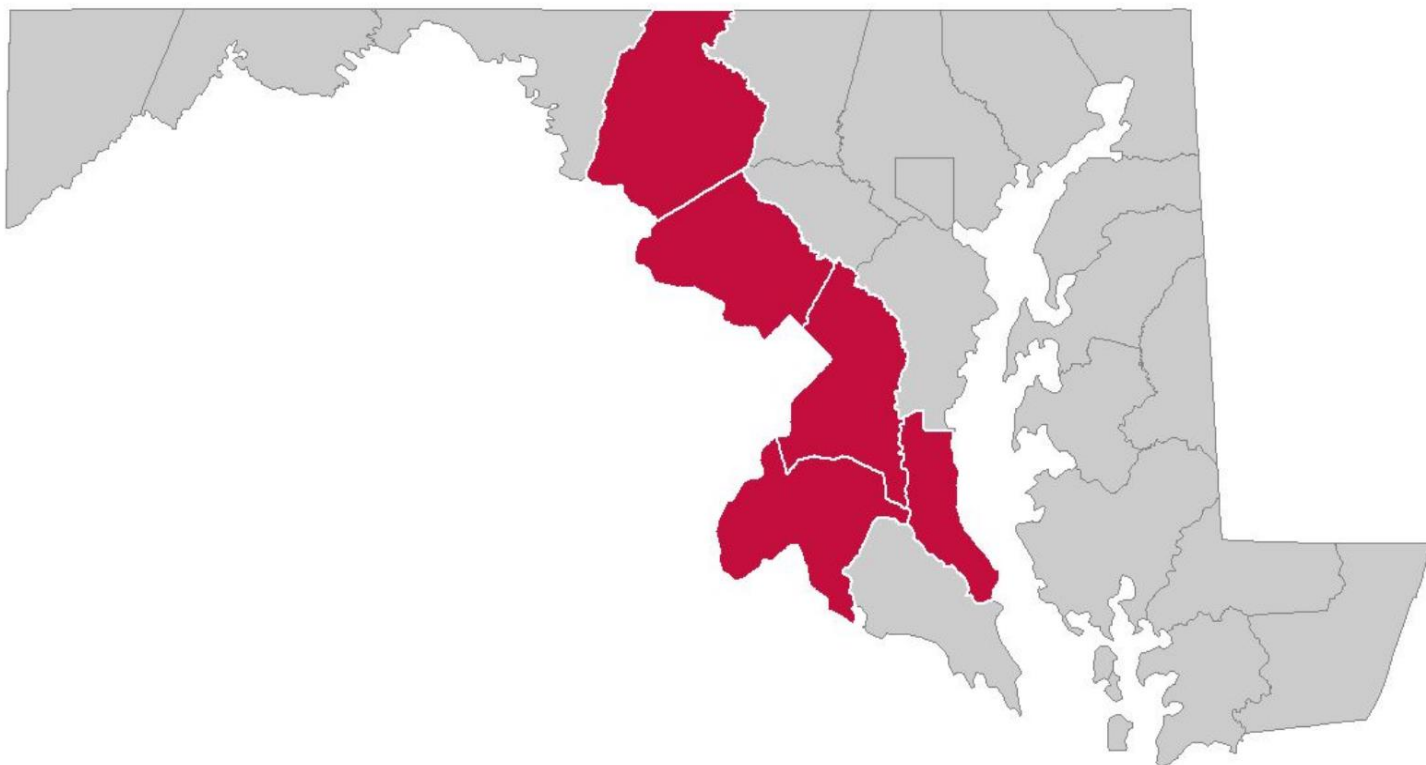


2018



Washington Metropolitan Region Annual HIV Epidemiological Profile

Data reported through June 30, 2019



Center for HIV Surveillance, Epidemiology and Evaluation
Infectious Disease Prevention and Health Services Bureau
Prevention and Health Promotion Administration
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Section I – Background Information

HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that people living with HIV be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in the Code of Maryland Regulations (COMAR) 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone.
- Physicians are required to report infants born to mothers living with HIV within 48 hours to the Maryland Department of Health by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the Maryland Department of Health to establish electronic reporting.
- Laboratory directors are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland Department of Health, by mailing the State of Maryland HIV/CD4 Laboratory Reporting Form (DHMH 4492). Laboratories are encouraged to contact the Maryland Department of Health to establish electronic reporting.

Reporting forms and instructions, including mailing addresses and phone numbers, are available on our website: <https://phpa.health.maryland.gov/OIDEOR/CHSE/Pages/reporting-material.aspx>

For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Maryland Department of Health, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health at 410-767-5227.

Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for people that have been diagnosed with HIV by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis or are current residents of Maryland as of December 31, 2018. Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of data. Data are only available for people receiving medical care, often only at facilities in Maryland, and only includes information that has been reported to the health department. Linkage to care data is based solely on laboratory data reported to the health department.

HIV Incidence: The most recent Centers for Disease Control and Prevention (CDC) estimate of the number of people living with undiagnosed HIV infection is 14.2 percent for the United States and 13.8 percent for Maryland in 2016. Using the CDC CD4 depletion model on Maryland surveillance data, the estimated number of people living with undiagnosed HIV infection in Maryland is 11.6 percent in 2017.

Maryland Residence: This epidemiological profile provides estimates of people living with diagnosed HIV in Maryland by their residence as of December 31, 2018. Residence at diagnosis and age at diagnosis are used exclusively to describe new HIV and AIDS diagnoses. Current residence data are restricted to people for which there is a case report form or laboratory test reported since January 1, 2009. Restricting address data to recent years

presents the most accurate data available and helps to account for people that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes people that may still be residents of Maryland but have not received any HIV care during the most recent ten and a half years. In addition, residence is dynamic and people living with diagnosed HIV may have resided at multiple addresses that cannot all be represented in single time point estimates.

Maryland Residence – Correctional Facilities: People living with diagnosed HIV who were reported to be residing in a state or federal prison as of December 31, 2018 will be presented in the Maryland epidemiological profile only. For surveillance purposes, pre- or post-incarceration residential addresses are used for people living with diagnosed HIV who were incarcerated in local jails and detention centers. Individuals diagnosed or previously identified as residing in a correctional facility, whose most recent reported residential address indicates they were not residing in a state/federal correctional facility as of December 31, 2018, are included with estimates of people who are not incarcerated. The movement of persons between Maryland correctional facilities is not reflected in this report.

Gender Identity: This epidemiological profile describes gender expansive people that have been diagnosed with HIV by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis or are current residents of Maryland as of December 31, 2018. Historically, it has been difficult to fully present data by gender identity. Data on gender expansive people has been limited in the Maryland Department of Health's Enhanced HIV/AIDS Reporting System (eHARS). No reliable system exists for collecting or reporting gender identity and some agencies do not collect or have complete data on gender identity. This report is likely underreporting the number gender expansive people living with diagnosed HIV because of challenges in accurately identifying and reporting gender identity in HIV surveillance.

Race/Ethnicity: The completeness of reporting for race/ethnicity is variable in surveillance data. Definitions of race/ethnicity categories may vary across agencies and some agencies do not collect or have complete data on race/ethnicity. This report may be overreporting the number of Multiracial people living with diagnosed HIV because of challenges in accurately identifying and reporting race/ethnicity in HIV surveillance.

Foreign-Born Maryland Residents: The completeness of reporting a person's country of birth is variable in surveillance data. Not all agencies collect or have complete data on nativity. In addition, some individuals may immigrate to the U.S. with HIV. HIV testing data from other countries is often unavailable for these people; therefore, they are counted as a new diagnosis following their first HIV related lab test in the United States, even if they were first diagnosed elsewhere.

Mortality: Mortality (death) data is presented in this epidemiological profile. Caution should be exercised when interpreting mortality estimates for recent years due to delays in reporting.

Viral Suppression: In this epidemiological profile, viral suppression is defined as the most recent viral load measured in the specified year of less than 200 copies per milliliter. Estimates of viral suppression among people living with diagnosed HIV are inclusive of people diagnosed in the specified year; therefore, they may not have had sufficient time to engage in HIV care and/or achieve viral suppression.

Changes in Terminology

The terminology for HIV and AIDS surveillance data was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and People Living with Diagnosed HIV replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both newly and previously diagnosed individuals as well as undiagnosed infections. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, reports received through a certain time (six months after December 31st of the specified year) are used to generate the number of diagnoses during the prior years. This lag time allows for delays in reporting and time to complete investigations. Instead of the previous one-year lag, this epidemiological profile utilizes a six-month lag, and as a result, data on exposure category and deaths for the prior year are preliminary. For example, the

Reported HIV Diagnoses for 2018 are the total number of people diagnosed with HIV from January 1, 2018 to December 31, 2018, as reported by name through June 30, 2019.

To calculate the number of people living with diagnosed HIV, we count all reported diagnoses from the beginning of the epidemic (all new diagnoses each year) and subtract all reported deaths. For example, the total people living with diagnosed HIV on December 31, 2018 are the total reported HIV diagnoses not reported to have died as of December 31, 2018 as reported by name through June 30, 2019.

Stages of HIV Surveillance

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can contract HIV but never be screened for HIV and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the health department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

An instance of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9] but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, and years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would probably be many years after the initial HIV transmission [time point 1].

Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An adult living with diagnosed HIV is considered to have AIDS if they have less than 200 CD4+ cells per microliter of blood or if the percent of T-Lymphocyte cells that are CD4+ is less than 14 percent. Viral load tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Low levels of viral load, such as less than 200 copies per milliliter of blood, are known as viral suppression. Treatment recommendations are that a person in HIV medical care should have their CD4 and viral load levels measured regularly, at least once per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "retained in care."

Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, current gender, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health's eHARS, as of June 30, 2019.

Population data by sex, age, and race/ethnicity are from the July 1, 2018 U.S. Census Estimates. Population data by country-of-birth are from the Census Bureau's 2017 American Community Survey. This produces a difference in total population due to the different source. Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

The continuum of care is adapted from a 2011 article in Clinical Infectious Diseases in which a continuum of care "cascade" is used to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

Tabulation of Column Totals

Numbers in figures, tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of people living with diagnosed HIV, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 people.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

Exposure/risk data is not suppressed due to statistical adjustment resulting in the reporting of estimated or probable risk.

HIV Exposure Categories

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who report a history of sexual contact with other men and report injection drug use constitutes a separate transmission category.

MSM/IDU: Men who report a history of sexual contact with other men who also have engaged in injection drug use.

Male-to-male Sexual Contact (MSM): Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

Injection Drug Use (IDU): Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

Heterosexual Contact (HET): Men or women who report a history of sexual contact with a person of the opposite sex who is known to be HIV positive or at increased risk for HIV transmission. Risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue, and artificial insemination.

Perinatal Exposure: Any baby born to a woman living with diagnosed HIV.

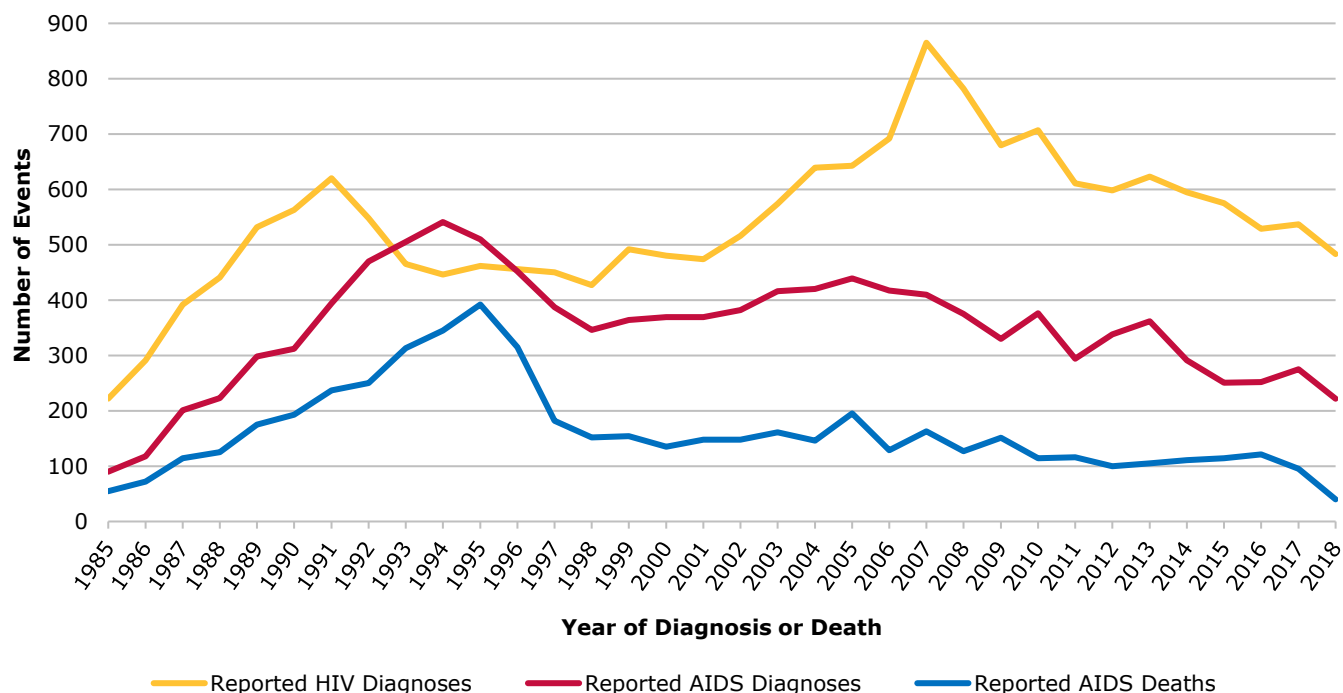
Other Exposure: Includes men or women who received clotting factor for hemophilia/coagulation disorder, or received a transfusion of blood/blood components, or received a transplant of tissue/organs or artificial insemination, or worked in a health care or clinical laboratory setting.

Not all exposure data is reported and is therefore missing in some instances. Multiple imputation is a statistical method by which missing exposure categories are replaced with estimated or probable exposure categories. Multiple imputation involves filling in the missing exposure category with multiple possible exposures, creating several complete datasets. Filling in the missing exposure category is done using the observed data for the individual person as well as data in aggregate from other people living with diagnosed HIV in Maryland. The complete datasets, containing the various predictions for each missing exposure category, are combined to create a final dataset with previously missing exposure category replaced by weighted estimates. Perinatal transmission and other exposure categories are never estimated or adjusted and depict the reported exposure category.

Section II – Trends 1985-2018

Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, Among Residents at Diagnosis, 1985-2018, Reported through June 30, 2019

People Diagnosed with HIV (Reported HIV Diagnoses) by Year of HIV Diagnosis, People Diagnosed with HIV with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and People Diagnosed with HIV with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2018, as Reported through June 30, 2019

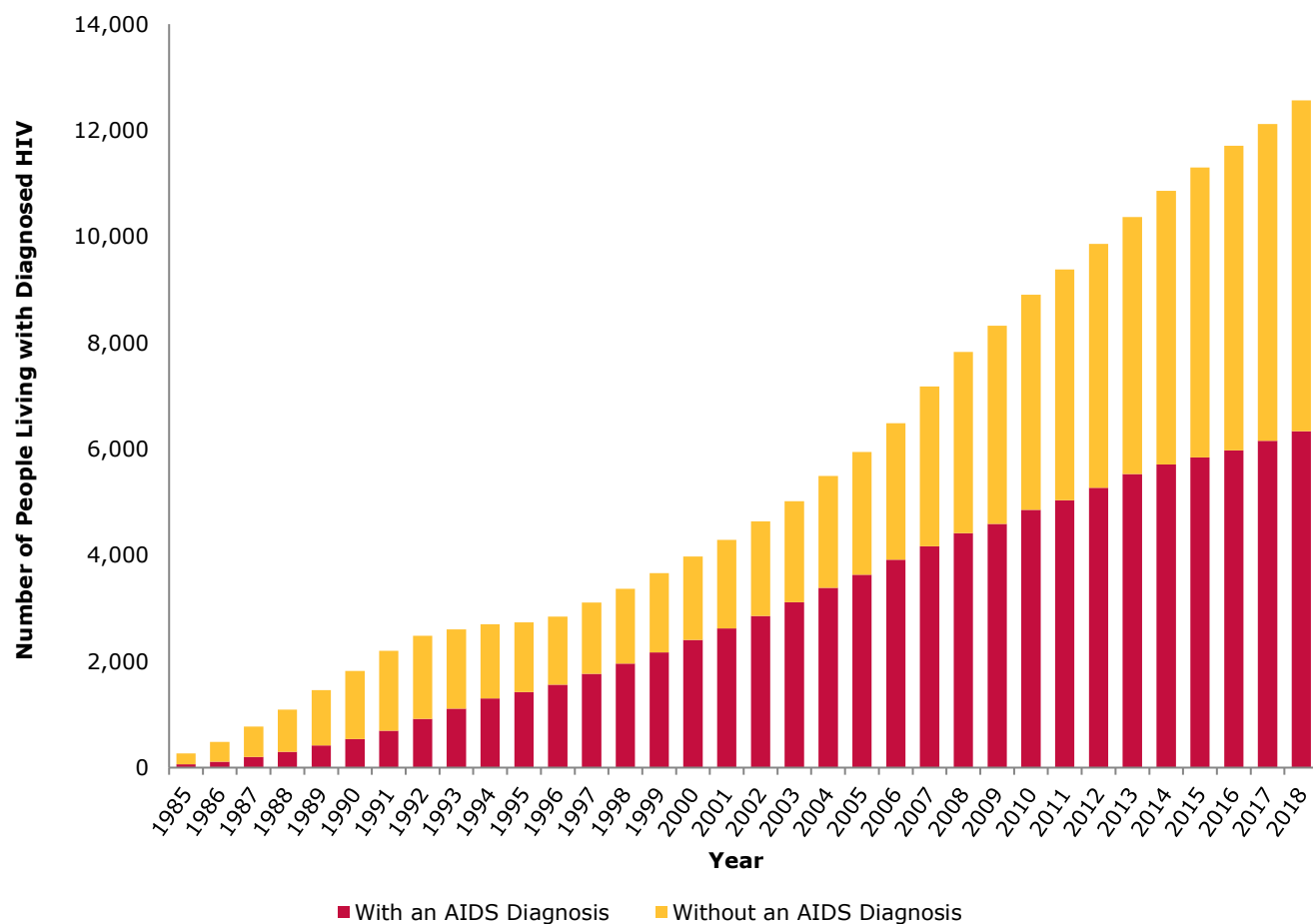


Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	122	61	29	2002	516	382	148
1985	222	90	55	2003	574	416	161
1986	291	118	72	2004	639	420	146
1987	392	201	114	2005	643	439	195
1988	441	223	125	2006	692	417	129
1989	532	298	175	2007	865	410	163
1990	563	312	193	2008	782	375	127
1991	620	394	237	2009	680	330	151
1992	548	470	250	2010	707	376	114
1993	465	505	313	2011	611	294	116
1994	446	541	345	2012	598	338	100
1995	462	510	392	2013	623	362	105
1996	456	452	315	2014	595	291	111
1997	450	387	182	2015	575	251	114
1998	427	346	152	2016	529	252	121
1999	492	364	154	2017*	537	275	95
2000	480	369	135	2018*	483	222	40
2001	474	369	148	Total	18,532	11,860	5,522

*2017-2018 reported AIDS deaths are preliminary

Figure 2 – Trends in People Living with Diagnosed HIV, Among Residents at Diagnosis, 1985-2018, Reported through June 30, 2019

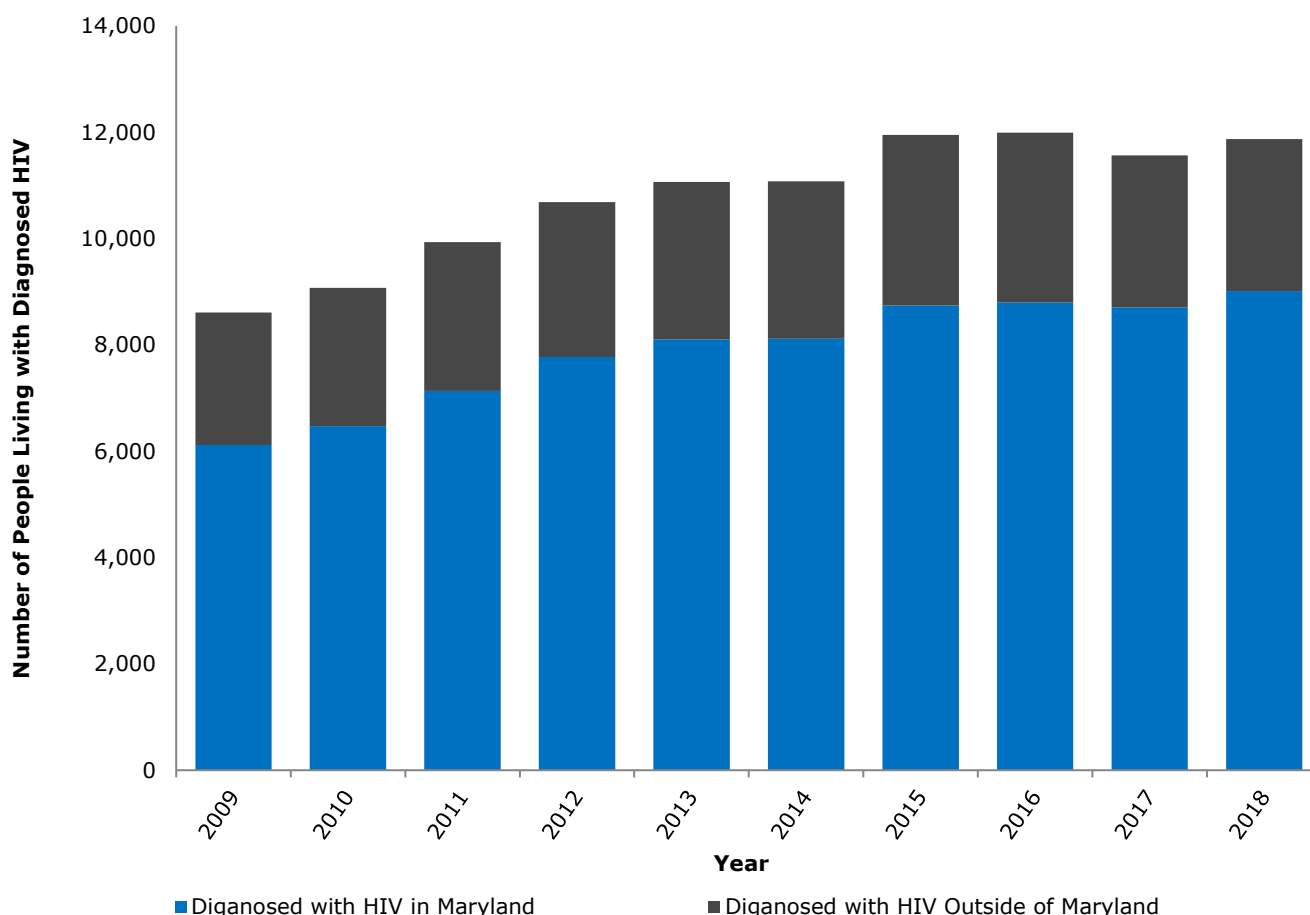
People Living with Diagnosed HIV and Not Reported to have Died as of December 31st of Each Year (People Living with Diagnosed HIV without an AIDS Diagnosis, People Living with Diagnosed HIV with an AIDS Diagnosis, and Total People Living with Diagnosed HIV) from 1985 through 2018, as Reported through June 30, 2019



People Living with Diagnosed HIV				People Living with Diagnosed HIV			
Year	without an AIDS Diagnosis	with an AIDS Diagnosis	Total	Year	without an AIDS Diagnosis	with an AIDS Diagnosis	Total
1985	204	66	270	2002	1,780	2,857	4,637
1986	375	112	487	2003	1,905	3,112	5,017
1987	574	199	773	2004	2,104	3,386	5,490
1988	794	297	1,091	2005	2,312	3,630	5,942
1989	1,037	420	1,457	2006	2,566	3,918	6,484
1990	1,280	539	1,819	2007	3,013	4,165	7,178
1991	1,503	696	2,199	2008	3,414	4,413	7,827
1992	1,564	916	2,480	2009	3,727	4,592	8,319
1993	1,495	1,108	2,603	2010	4,048	4,854	8,902
1994	1,394	1,304	2,698	2011	4,350	5,032	9,382
1995	1,316	1,422	2,738	2012	4,592	5,270	9,862
1996	1,287	1,559	2,846	2013	4,842	5,527	10,369
1997	1,343	1,764	3,107	2014	5,156	5,707	10,863
1998	1,409	1,958	3,367	2015	5,458	5,844	11,302
1999	1,492	2,168	3,660	2016	5,735	5,975	11,710
2000	1,574	2,402	3,976	2017	5,961	6,155	12,116
2001	1,668	2,623	4,291	2018	6,228	6,337	12,565

Figure 3 – Trends in People Aged 13+ Living with Diagnosed HIV, Among Current Residents, 2009-2018, Reported through June 30, 2019

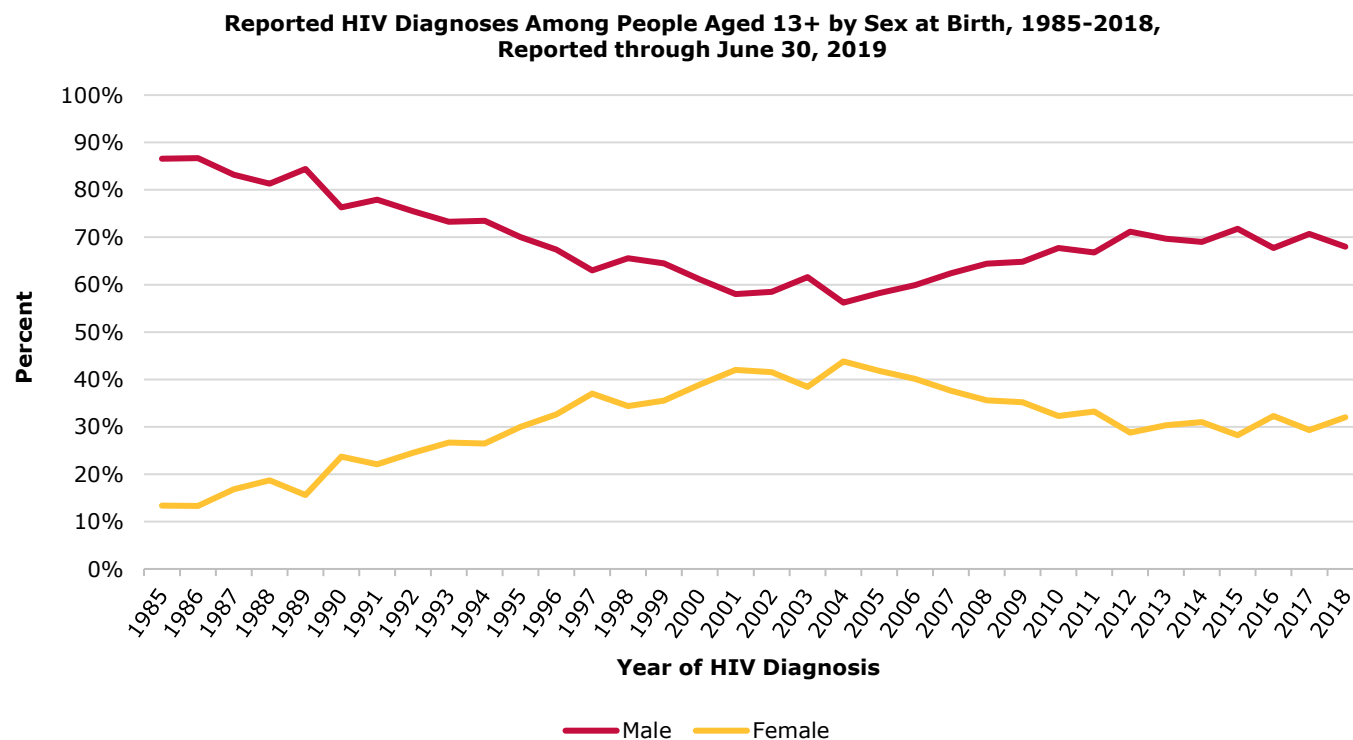
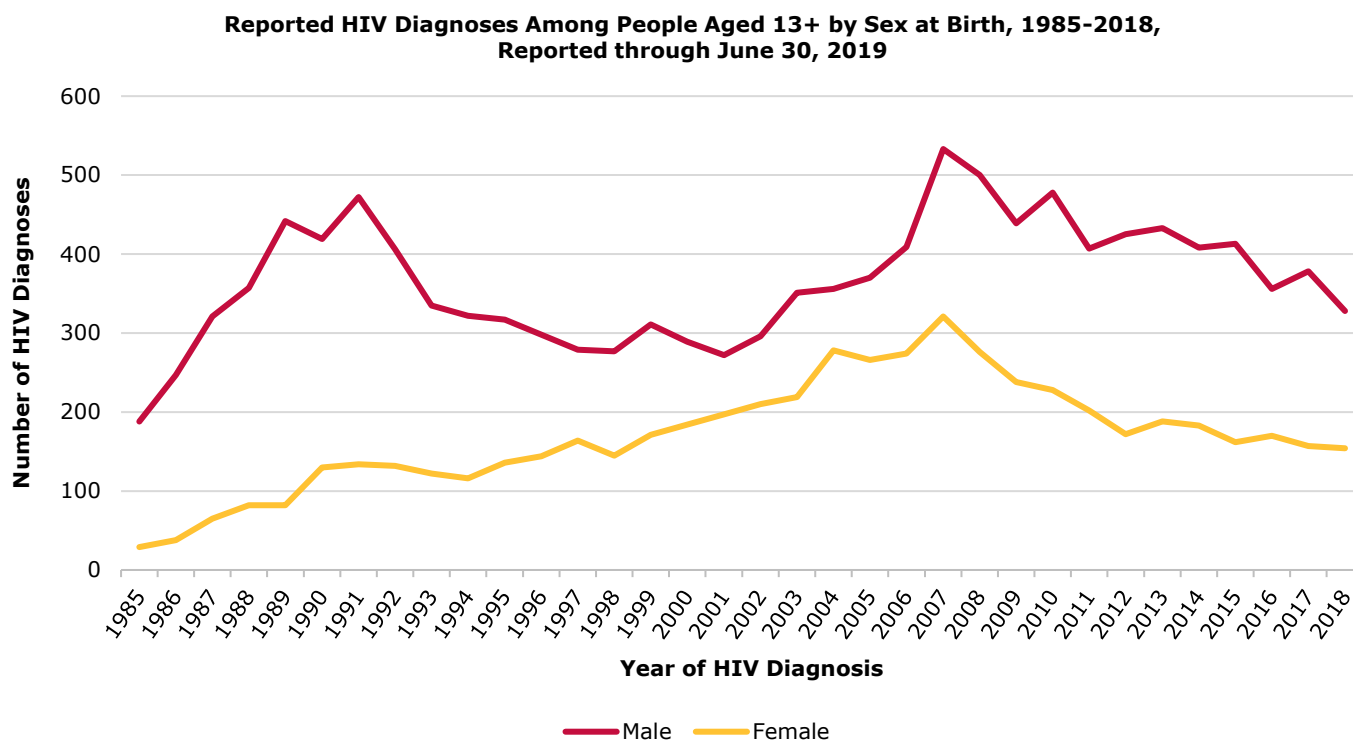
People Living with Diagnosed HIV in Washington Metropolitan Region and Not Reported to have Died as of December 31st of Each Year from 2009 through 2018, as Reported through June 30, 2019



Year	Population Age 13+	Washington Metropolitan Region Residents Aged 13+ as of December 31st of the Specified Year			
		Diagnosed with HIV in Maryland	Diagnosed with HIV Outside of Maryland	Total	Rate
2009	1,883,798	6,119	2,490	8,609	324.8
2010	1,914,498	6,472	2,598	9,070	338.1
2011	1,941,600	7,135	2,800	9,935	367.5
2012	1,966,771	7,772	2,914	10,686	395.2
2013	1,988,170	8,104	2,958	11,062	407.6
2014	2,006,764	8,116	2,963	11,079	404.4
2015	2,024,152	8,741	3,211	11,952	431.8
2016	2,036,529	8,796	3,196	11,992	431.9
2017	2,051,280	8,708	2,857	11,565	424.5
2018	2,063,819	9,015	2,858	11,873	436.8

Figure 4 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, by Sex at Birth, 1985-2018, Reported through June 30, 2019

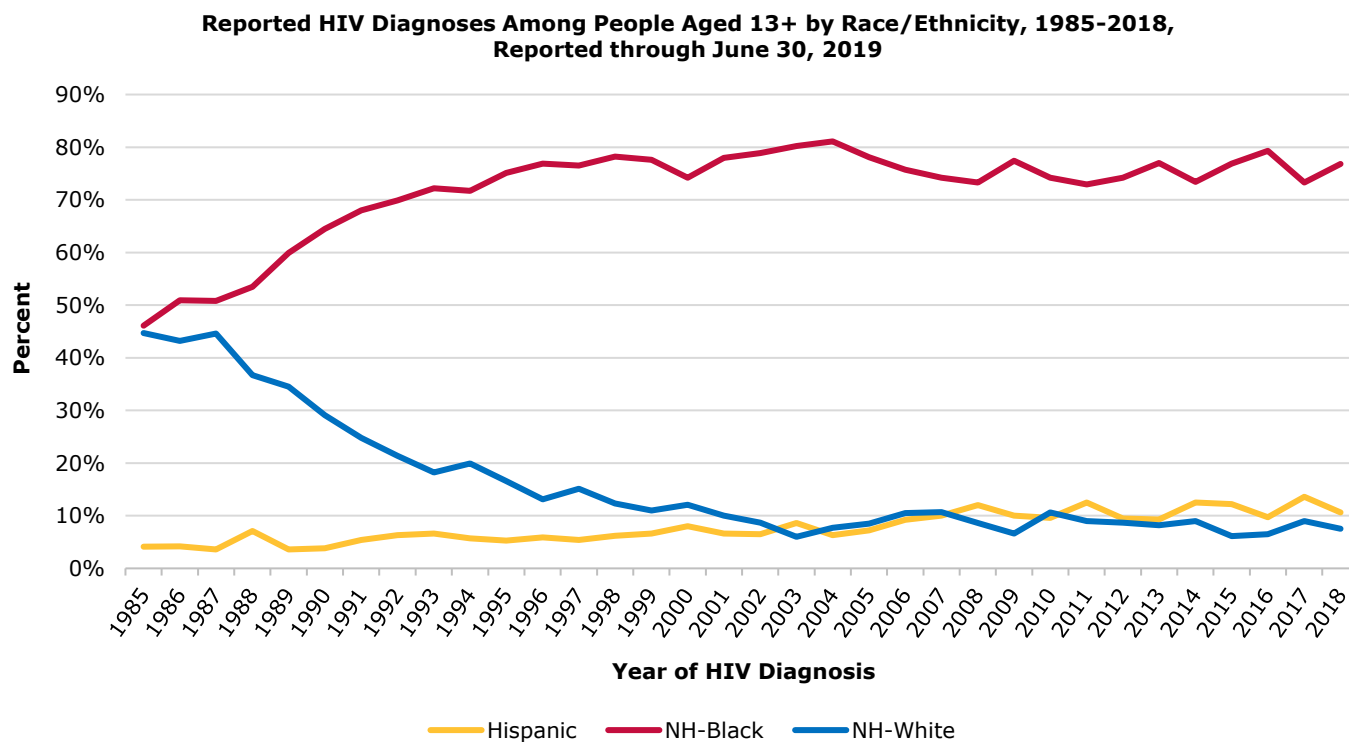
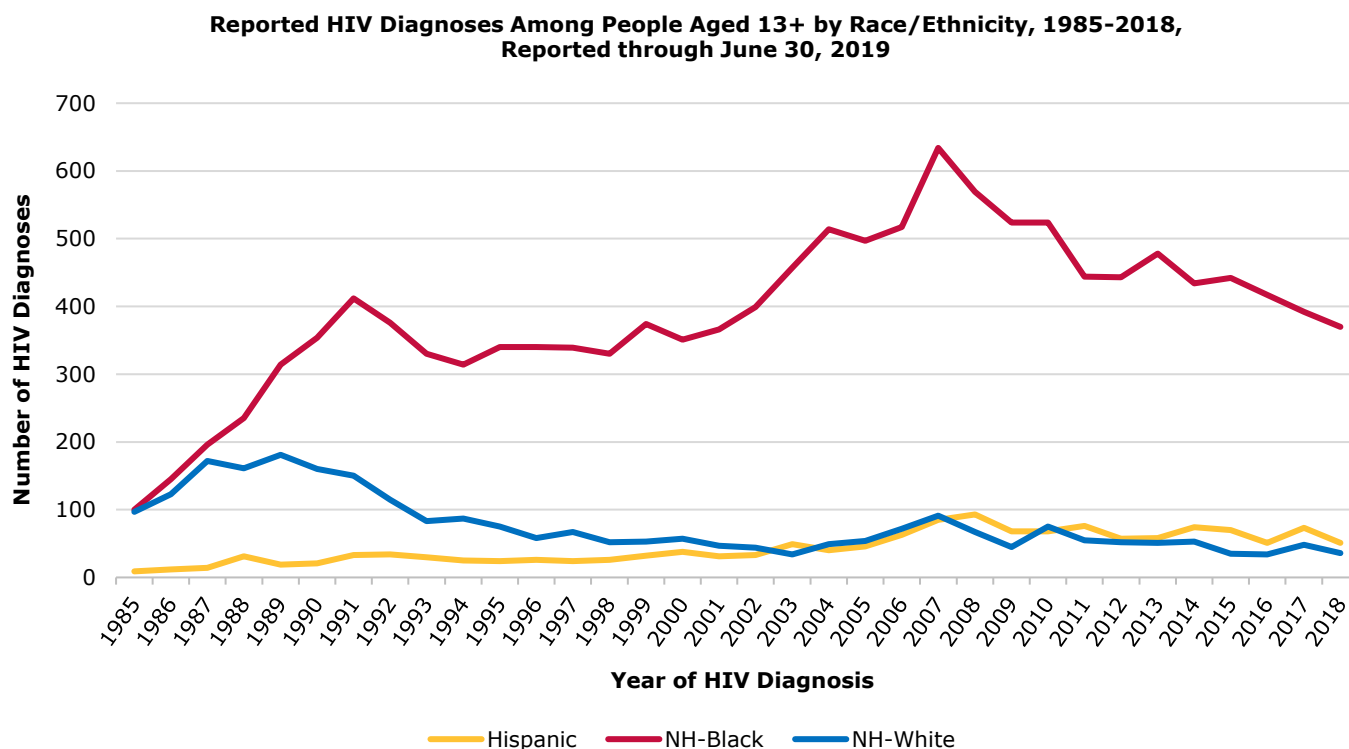
Number and Percent by Sex at Birth of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2018, as Reported through June 30, 2019



Reported HIV Diagnoses Among People Aged 13+					
Year of HIV Diagnosis	Number	Sex at Birth			
		Male		Female	
		Number	Percent	Number	Percent
<1985	120	109	90.8%	11	9.2%
1985	217	188	86.6%	29	13.4%
1986	285	247	86.7%	38	13.3%
1987	386	321	83.2%	65	16.8%
1988	439	357	81.3%	82	18.7%
1989	524	442	84.4%	82	15.6%
1990	549	419	76.3%	130	23.7%
1991	606	472	77.9%	134	22.1%
1992	538	406	75.5%	132	24.5%
1993	457	335	73.3%	122	26.7%
1994	438	322	73.5%	116	26.5%
1995	453	317	70.0%	136	30.0%
1996	442	298	67.4%	144	32.6%
1997	443	279	63.0%	164	37.0%
1998	422	277	65.6%	145	34.4%
1999	482	311	64.5%	171	35.5%
2000	473	289	61.1%	184	38.9%
2001	469	272	58.0%	197	42.0%
2002	506	296	58.5%	210	41.5%
2003	570	351	61.6%	219	38.4%
2004	634	356	56.2%	278	43.8%
2005	636	370	58.2%	266	41.8%
2006	683	409	59.9%	274	40.1%
2007	854	533	62.4%	321	37.6%
2008	776	500	64.4%	276	35.6%
2009	677	439	64.8%	238	35.2%
2010	706	478	67.7%	228	32.3%
2011	609	407	66.8%	202	33.2%
2012	597	425	71.2%	172	28.8%
2013	621	433	69.7%	188	30.3%
2014	591	408	69.0%	183	31.0%
2015	575	413	71.8%	162	28.2%
2016	526	356	67.7%	170	32.3%
2017	535	378	70.7%	157	29.3%
2018	482	328	68.0%	154	32.0%
Total	18,321	12,541	68.5%	5,780	31.5%

Figure 5 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, by Race/Ethnicity, 1985-2018, Reported through June 30, 2019

Number and Percent by Race/Ethnicity of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2018, as Reported through June 30, 2019

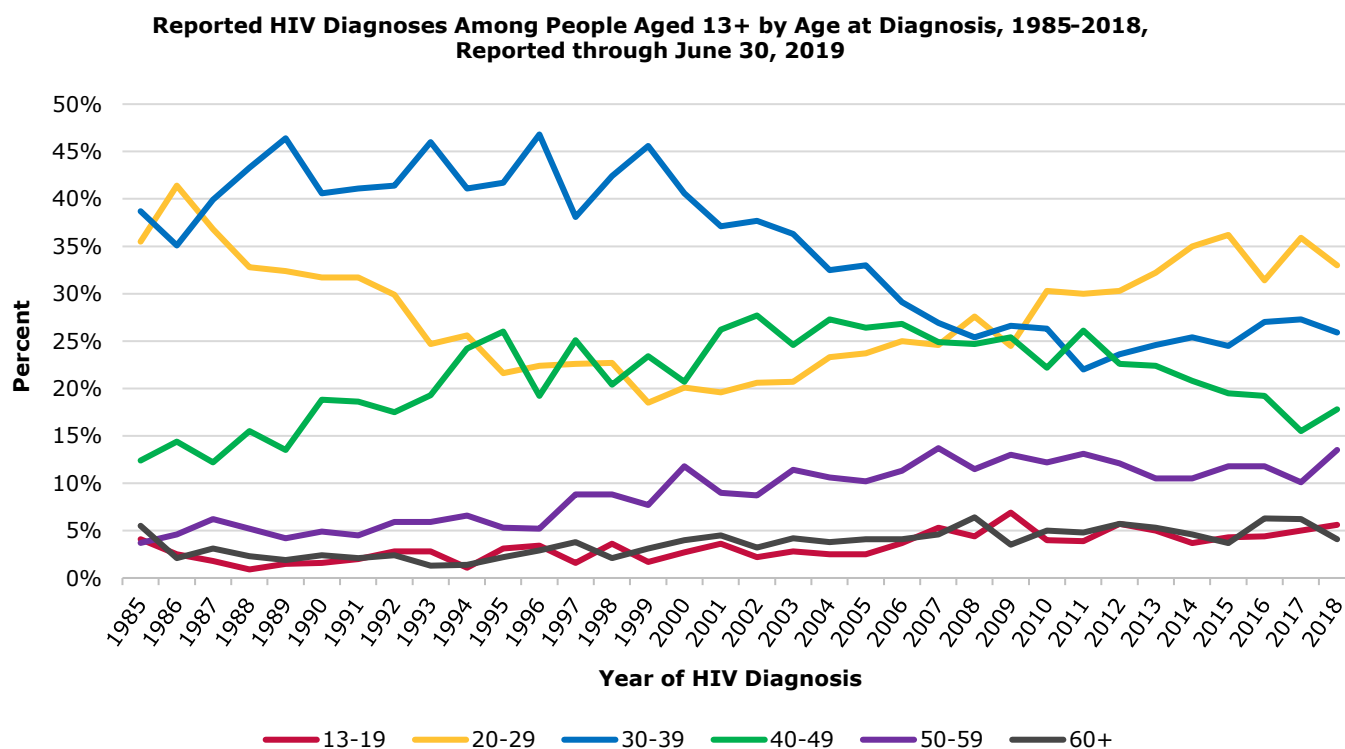
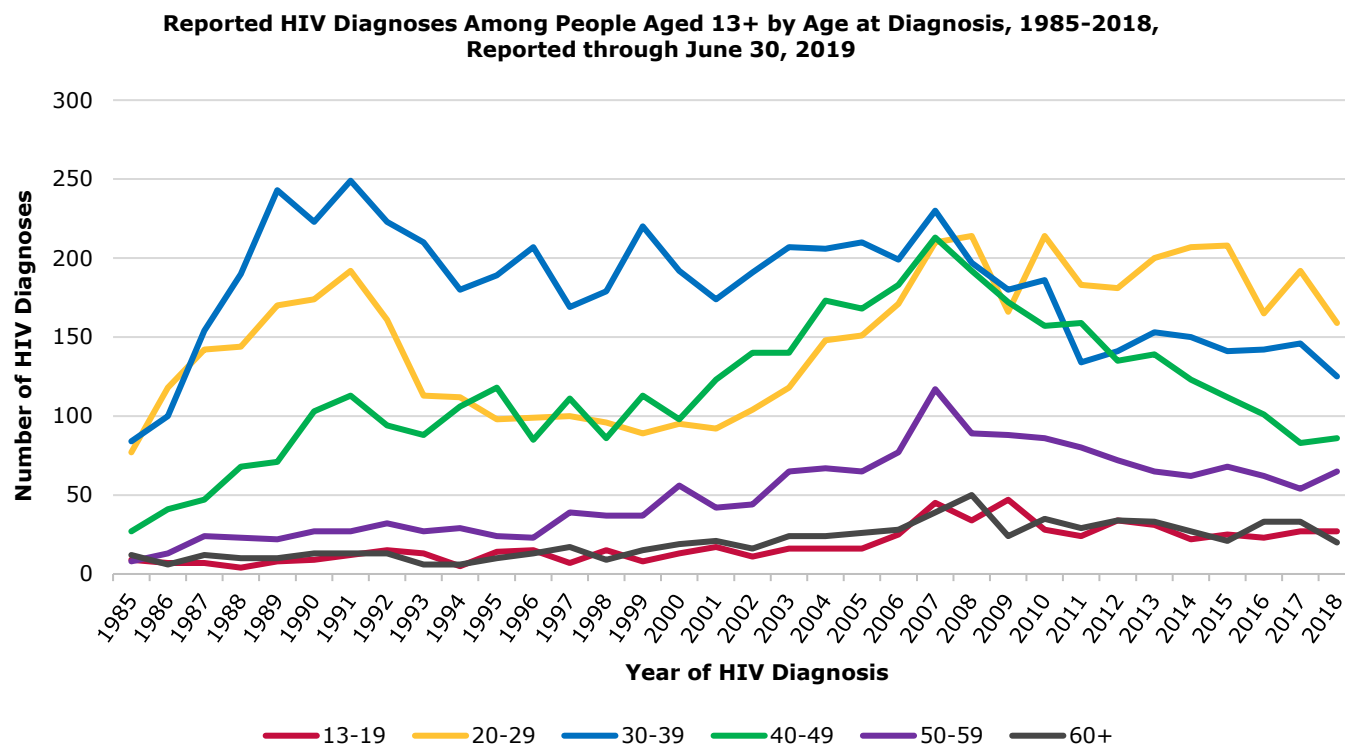


Non-Hispanic Other race not shown

Reported HIV Diagnoses Among People Aged 13+									
Year of HIV Diagnosis	No.	Race/Ethnicity							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	120	4	3.3%	68	56.7%	42	35.0%	6	5.0%
1985	217	9	4.1%	100	46.1%	97	44.7%	11	5.1%
1986	285	12	4.2%	145	50.9%	123	43.2%	5	1.8%
1987	386	14	3.6%	196	50.8%	172	44.6%	4	1.0%
1988	439	31	7.1%	235	53.5%	161	36.7%	12	2.7%
1989	524	19	3.6%	314	59.9%	181	34.5%	10	1.9%
1990	549	21	3.8%	354	64.5%	160	29.1%	14	2.6%
1991	606	33	5.4%	412	68.0%	150	24.8%	11	1.8%
1992	538	34	6.3%	376	69.9%	115	21.4%	13	2.4%
1993	457	30	6.6%	330	72.2%	83	18.2%	14	3.1%
1994	438	25	5.7%	314	71.7%	87	19.9%	12	2.7%
1995	453	24	5.3%	340	75.1%	75	16.6%	14	3.1%
1996	442	26	5.9%	340	76.9%	58	13.1%	18	4.1%
1997	443	24	5.4%	339	76.5%	67	15.1%	13	2.9%
1998	422	26	6.2%	330	78.2%	52	12.3%	14	3.3%
1999	482	32	6.6%	374	77.6%	53	11.0%	23	4.8%
2000	473	38	8.0%	351	74.2%	57	12.1%	27	5.7%
2001	469	31	6.6%	366	78.0%	47	10.0%	25	5.3%
2002	506	33	6.5%	399	78.9%	44	8.7%	30	5.9%
2003	570	49	8.6%	457	80.2%	34	6.0%	30	5.3%
2004	634	40	6.3%	514	81.1%	49	7.7%	31	4.9%
2005	636	46	7.2%	497	78.1%	54	8.5%	39	6.1%
2006	683	63	9.2%	517	75.7%	72	10.5%	31	4.5%
2007	854	85	10.0%	634	74.2%	91	10.7%	44	5.2%
2008	776	93	12.0%	569	73.3%	67	8.6%	47	6.1%
2009	677	68	10.0%	524	77.4%	45	6.6%	40	5.9%
2010	706	68	9.6%	524	74.2%	75	10.6%	39	5.5%
2011	609	76	12.5%	444	72.9%	55	9.0%	34	5.6%
2012	597	57	9.5%	443	74.2%	52	8.7%	45	7.5%
2013	621	58	9.3%	478	77.0%	51	8.2%	34	5.5%
2014	591	74	12.5%	434	73.4%	53	9.0%	30	5.1%
2015	575	70	12.2%	442	76.9%	35	6.1%	28	4.9%
2016	526	51	9.7%	417	79.3%	34	6.5%	24	4.6%
2017	535	73	13.6%	392	73.3%	48	9.0%	22	4.1%
2018	482	51	10.6%	370	76.8%	36	7.5%	25	5.2%
Total	18,321	1,488	8.1%	13,339	72.8%	2,675	14.6%	819	4.5%

Figure 6 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, 1985-2018, Reported through June 30, 2019

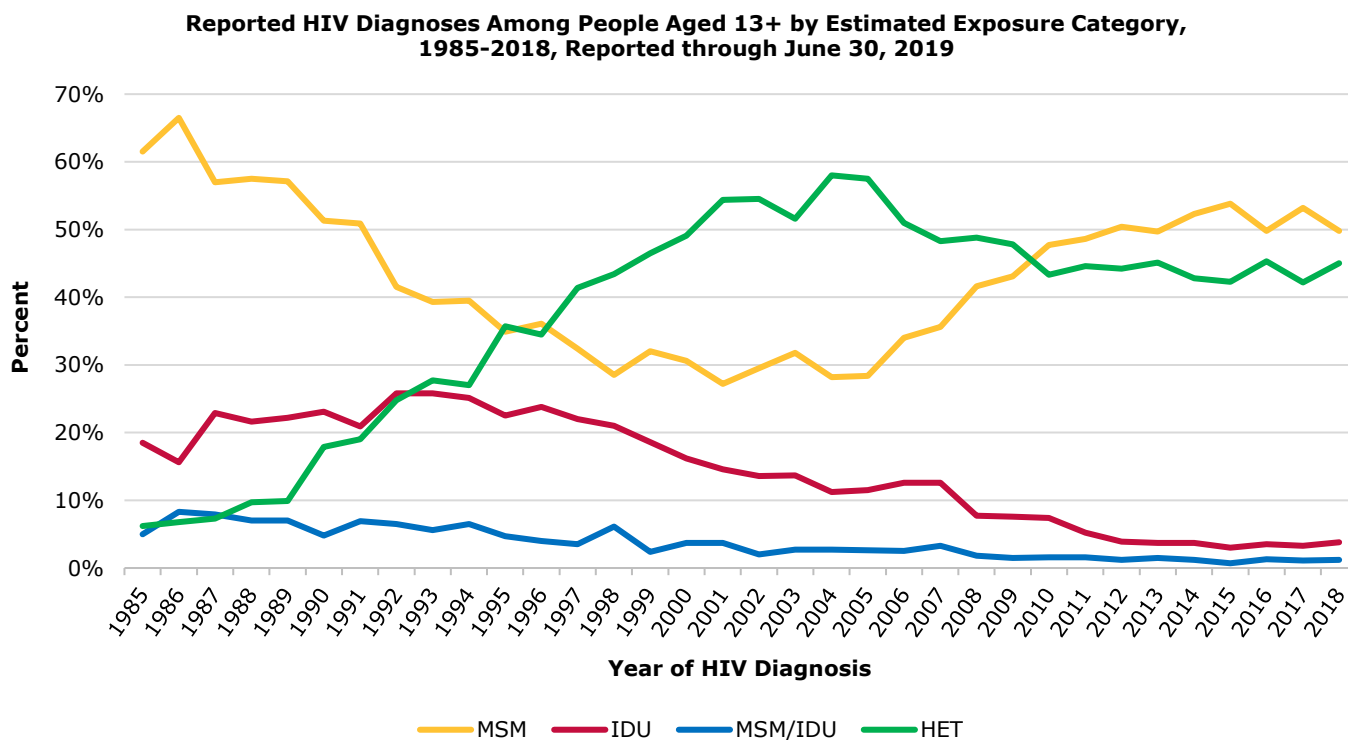
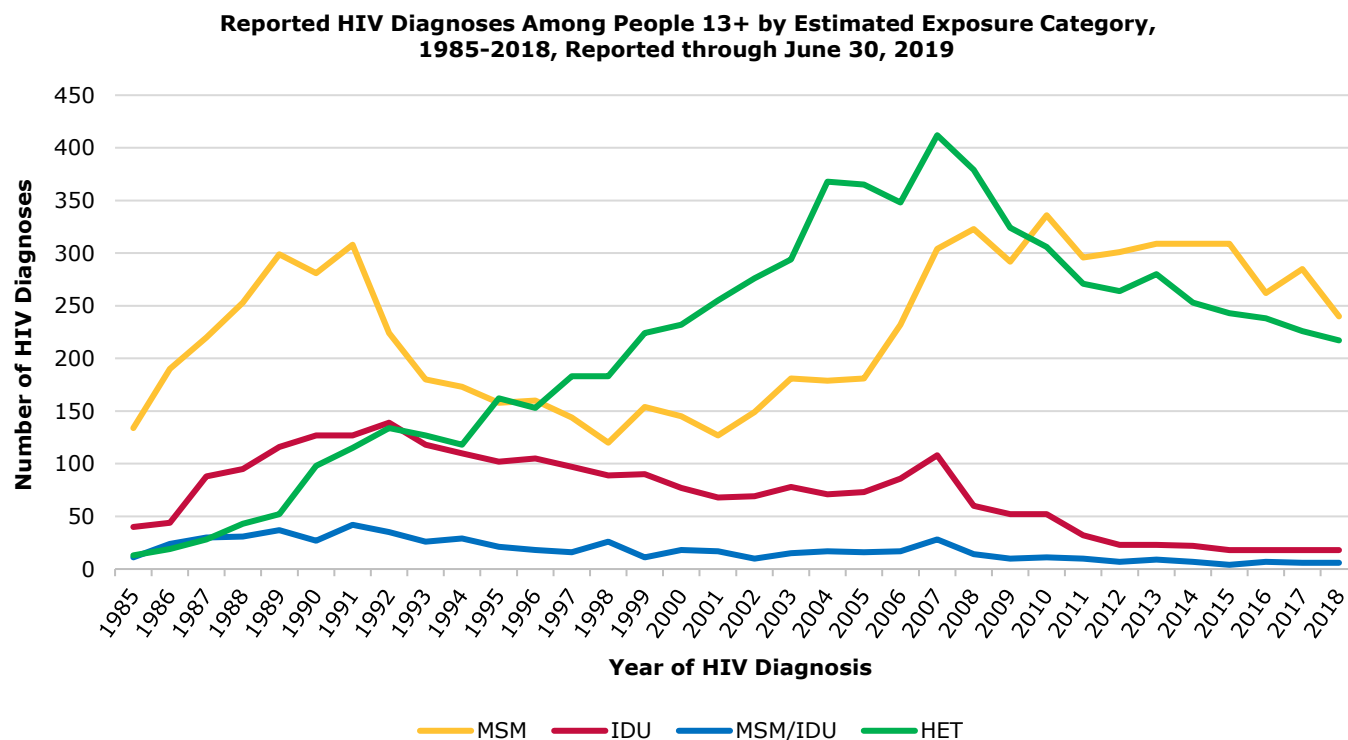
Number and Percent by Age at HIV Diagnosis of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2018, as Reported through June 30, 2019



Reported HIV Diagnoses Among People Aged 13+													
Year of HIV Diagnosis	No.	Age at HIV Diagnosis											
		13-19		20-29		30-39		40-49		50-59		60+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	120	13	10.8%	43	35.8%	36	30.0%	21	17.5%	4	3.3%	3	2.5%
1985	217	9	4.1%	77	35.5%	84	38.7%	27	12.4%	8	3.7%	12	5.5%
1986	285	7	2.5%	118	41.4%	100	35.1%	41	14.4%	13	4.6%	6	2.1%
1987	386	7	1.8%	142	36.8%	154	39.9%	47	12.2%	24	6.2%	12	3.1%
1988	439	4	0.9%	144	32.8%	190	43.3%	68	15.5%	23	5.2%	10	2.3%
1989	524	8	1.5%	170	32.4%	243	46.4%	71	13.5%	22	4.2%	10	1.9%
1990	549	9	1.6%	174	31.7%	223	40.6%	103	18.8%	27	4.9%	13	2.4%
1991	606	12	2.0%	192	31.7%	249	41.1%	113	18.6%	27	4.5%	13	2.1%
1992	538	15	2.8%	161	29.9%	223	41.4%	94	17.5%	32	5.9%	13	2.4%
1993	457	13	2.8%	113	24.7%	210	46.0%	88	19.3%	27	5.9%	6	1.3%
1994	438	5	1.1%	112	25.6%	180	41.1%	106	24.2%	29	6.6%	6	1.4%
1995	453	14	3.1%	98	21.6%	189	41.7%	118	26.0%	24	5.3%	10	2.2%
1996	442	15	3.4%	99	22.4%	207	46.8%	85	19.2%	23	5.2%	13	2.9%
1997	443	7	1.6%	100	22.6%	169	38.1%	111	25.1%	39	8.8%	17	3.8%
1998	422	15	3.6%	96	22.7%	179	42.4%	86	20.4%	37	8.8%	9	2.1%
1999	482	8	1.7%	89	18.5%	220	45.6%	113	23.4%	37	7.7%	15	3.1%
2000	473	13	2.7%	95	20.1%	192	40.6%	98	20.7%	56	11.8%	19	4.0%
2001	469	17	3.6%	92	19.6%	174	37.1%	123	26.2%	42	9.0%	21	4.5%
2002	506	11	2.2%	104	20.6%	191	37.7%	140	27.7%	44	8.7%	16	3.2%
2003	570	16	2.8%	118	20.7%	207	36.3%	140	24.6%	65	11.4%	24	4.2%
2004	634	16	2.5%	148	23.3%	206	32.5%	173	27.3%	67	10.6%	24	3.8%
2005	636	16	2.5%	151	23.7%	210	33.0%	168	26.4%	65	10.2%	26	4.1%
2006	683	25	3.7%	171	25.0%	199	29.1%	183	26.8%	77	11.3%	28	4.1%
2007	854	45	5.3%	210	24.6%	230	26.9%	213	24.9%	117	13.7%	39	4.6%
2008	776	34	4.4%	214	27.6%	197	25.4%	192	24.7%	89	11.5%	50	6.4%
2009	677	47	6.9%	166	24.5%	180	26.6%	172	25.4%	88	13.0%	24	3.5%
2010	706	28	4.0%	214	30.3%	186	26.3%	157	22.2%	86	12.2%	35	5.0%
2011	609	24	3.9%	183	30.0%	134	22.0%	159	26.1%	80	13.1%	29	4.8%
2012	597	34	5.7%	181	30.3%	141	23.6%	135	22.6%	72	12.1%	34	5.7%
2013	621	31	5.0%	200	32.2%	153	24.6%	139	22.4%	65	10.5%	33	5.3%
2014	591	22	3.7%	207	35.0%	150	25.4%	123	20.8%	62	10.5%	27	4.6%
2015	575	25	4.3%	208	36.2%	141	24.5%	112	19.5%	68	11.8%	21	3.7%
2016	526	23	4.4%	165	31.4%	142	27.0%	101	19.2%	62	11.8%	33	6.3%
2017	535	27	5.0%	192	35.9%	146	27.3%	83	15.5%	54	10.1%	33	6.2%
2018	482	27	5.6%	159	33.0%	125	25.9%	86	17.8%	65	13.5%	20	4.1%
Total	18,321	642	3.5%	5,106	27.9%	6,160	33.6%	3,989	21.8%	1,720	9.4%	704	3.8%

Figure 7 – Trends in Reported HIV Diagnoses, Among Residents at Diagnosis Aged 13+, by Estimated Exposure Category, 1985-2018, Reported through June 30, 2019

Number and Percent by Estimated Exposure Category[§] of People Diagnosed with HIV, Age 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2018, as Reported through June 30, 2019



Other exposure category not shown

§ Multiple imputation was used to estimate and adjust for missing exposure category.

Year of HIV Diagnosis	Reported HIV Diagnoses Among People Aged 13+											
	No.	% with No Reported Exposure [*]	Estimated Exposure Category [§]									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	120	9.2%	81	67.8%	16	13.4%	11	8.8%	8	6.7%	4	3.3%
1985	217	6.9%	134	61.5%	40	18.5%	11	5.0%	13	6.2%	19	8.8%
1986	285	3.9%	190	66.5%	44	15.6%	24	8.3%	19	6.8%	8	2.8%
1987	386	3.9%	220	57.0%	88	22.9%	30	7.9%	28	7.3%	19	4.9%
1988	439	6.2%	253	57.5%	95	21.6%	31	7.0%	43	9.7%	18	4.1%
1989	524	7.1%	299	57.1%	116	22.2%	37	7.0%	52	9.9%	20	3.8%
1990	549	5.1%	281	51.3%	127	23.1%	27	4.8%	98	17.9%	16	2.9%
1991	606	7.3%	308	50.9%	127	20.9%	42	6.9%	115	19.0%	14	2.3%
1992	538	11.2%	224	41.5%	139	25.8%	35	6.5%	134	24.8%	7	1.3%
1993	457	9.4%	180	39.3%	118	25.8%	26	5.6%	127	27.7%	7	1.5%
1994	438	9.6%	173	39.5%	110	25.1%	29	6.5%	118	27.0%	8	1.8%
1995	453	12.4%	158	34.9%	102	22.5%	21	4.7%	162	35.7%	10	2.2%
1996	442	15.6%	160	36.1%	105	23.8%	18	4.0%	153	34.5%	7	1.6%
1997	443	15.3%	144	32.4%	97	22.0%	16	3.5%	183	41.4%	3	0.7%
1998	422	18.2%	120	28.5%	89	21.0%	26	6.1%	183	43.4%	4	0.9%
1999	482	16.0%	154	32.0%	90	18.6%	11	2.4%	224	46.5%	3	0.6%
2000	473	18.2%	145	30.6%	77	16.2%	18	3.7%	232	49.1%	2	0.4%
2001	469	17.1%	127	27.2%	68	14.6%	17	3.7%	255	54.4%	1	0.2%
2002	506	14.0%	149	29.5%	69	13.6%	10	2.0%	276	54.5%	2	0.4%
2003	570	14.2%	181	31.8%	78	13.7%	15	2.7%	294	51.6%	1	0.2%
2004	634	20.0%	179	28.2%	71	11.2%	17	2.7%	368	58.0%	0	0.0%
2005	636	21.7%	181	28.4%	73	11.5%	16	2.6%	365	57.5%	0	0.0%
2006	683	28.6%	232	34.0%	86	12.6%	17	2.5%	348	51.0%	0	0.0%
2007	854	31.1%	304	35.6%	108	12.6%	28	3.3%	412	48.3%	2	0.2%
2008	776	37.5%	323	41.6%	60	7.7%	14	1.8%	379	48.8%	0	0.0%
2009	677	38.4%	292	43.1%	52	7.6%	10	1.5%	324	47.8%	0	0.0%
2010	706	39.2%	336	47.7%	52	7.4%	11	1.6%	306	43.3%	0	0.0%
2011	609	39.1%	296	48.6%	32	5.2%	10	1.6%	271	44.6%	0	0.0%
2012	597	25.6%	301	50.4%	23	3.9%	7	1.2%	264	44.2%	1	0.2%
2013	621	22.2%	309	49.7%	23	3.7%	9	1.5%	280	45.1%	0	0.0%
2014	591	20.5%	309	52.3%	22	3.7%	7	1.2%	253	42.8%	0	0.0%
2015	575	14.4%	309	53.8%	18	3.0%	4	0.7%	243	42.3%	1	0.2%
2016	526	17.9%	262	49.8%	18	3.5%	7	1.3%	238	45.3%	1	0.2%
2017	535	20.4%	285	53.2%	18	3.3%	6	1.1%	226	42.2%	1	0.2%
2018	482	26.1%	240	49.8%	18	3.8%	6	1.2%	217	45.0%	1	0.2%
Total	18,321	19.7%	7,839	42.8%	2,469	13.5%	624	3.4%	7,211	39.4%	180	1.0%

§ Multiple imputation was used to estimate and adjust for missing transmission category.

*Percent with no reported exposure prior to multiple imputation adjustment.

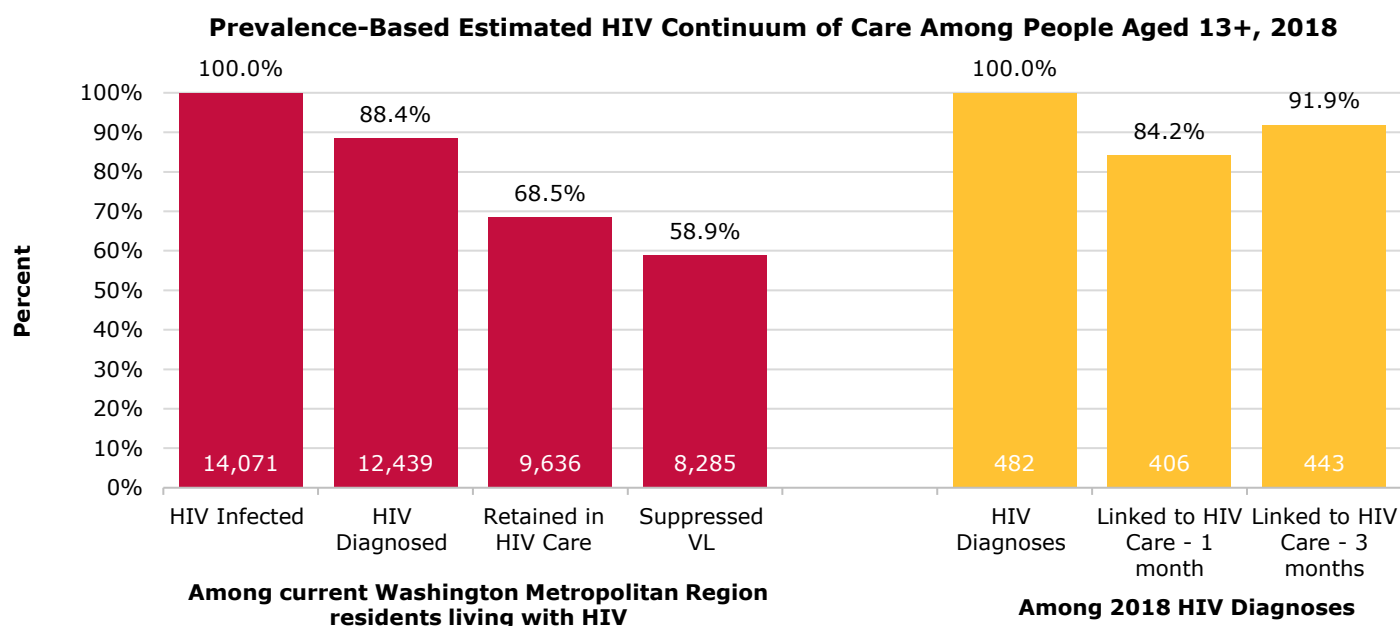
Note. Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1 percent of people missing transmission category after multiple imputation.

Section III – Continuum of Care Cascades

In their 2011 article in Clinical Infectious Diseases, Gardner et al.¹ utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

Figure 8 – Prevalence-Based Estimated 2018 HIV Continuum of Care Cascades, Among Current Washington Metropolitan Region Residents Aged 13+, Reported through June 30, 2019

The prevalence-based Washington Metropolitan Region Engagement in HIV Care Cascades (below) apply the Centers for Disease Control and Prevention (CDC) CD4 depletion model to Maryland surveillance data, reported through June 30, 2019, to estimate the number of people living with undiagnosed HIV (11.6 percent) and the estimated number of people living with HIV currently residing in the Washington Metropolitan Region. Maryland surveillance data is then used to describe the number and percentage of persons living with HIV in the Washington Metropolitan Region on December 31, 2018 and the number and percentage of new HIV diagnoses in 2018 who belong to each of the stages of engagement in HIV care.



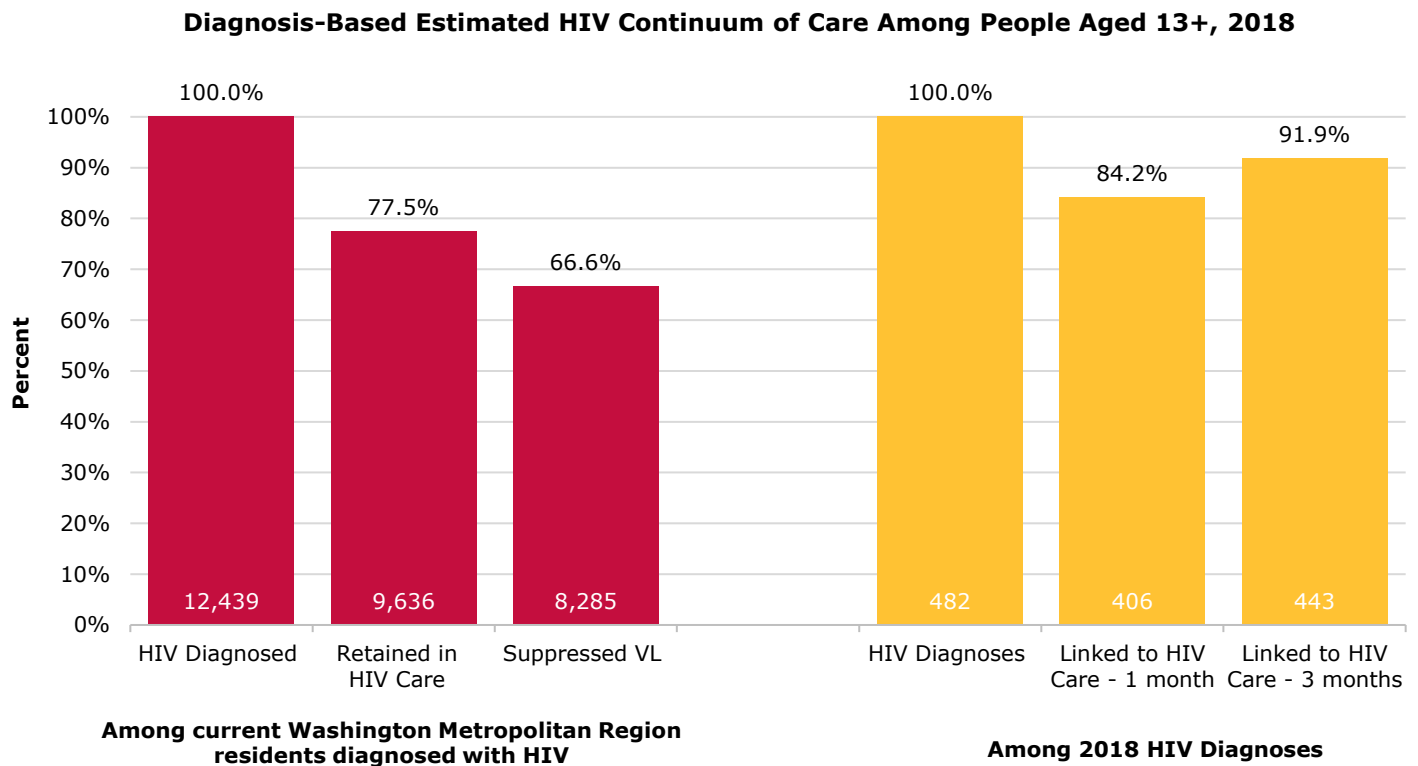
Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2018 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Infected	14,071	100.0%	New HIV Diagnoses	482	100.0%
HIV Diagnosed	12,439	88.4%	Linked to HIV Care – 1 Month	406	84.2%
Retained in HIV Care	9,636	68.5%	Linked to HIV Care – 3 Months	443	91.9%
Suppressed VL	8,285	58.9%			

¹ Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” Clin Infect Dis. 2011; 52 (6): 793-800.

² Centers for Disease Control and Prevention. Estimated HIV incidence and prevalence in the United States, 2010–2015. HIV Surveillance Supplemental Report 2018;23(No. 1). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published March 2018.

Figure 9 – Diagnosis-Based Estimated 2018 HIV Continuum of Care Cascades, Among Current Washington Metropolitan Region Residents Aged 13+, Reported through June 30, 2019

The diagnosis-based Washington Metropolitan Region Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Washington Metropolitan Region residents to describe the number and percentage of persons living with diagnosed HIV in the Washington Metropolitan Region on December 31, 2018 and the number and percentage of new HIV diagnoses in 2018 who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2018 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Diagnosed	12,439	100.0%	New HIV Diagnoses	482	100.0%
Retained in HIV Care	9,636	77.5%	Linked to HIV Care – 1 Month	406	84.2%
Suppressed VL	8,285	66.6%	Linked to HIV Care – 3 Months	443	91.9%

Section IV –Reported HIV Diagnoses, Among People Aged 13+, by Jurisdiction

Table 1 – Reported HIV Diagnoses, Among People Aged 13+ During 2018, Linked to Care, Late Diagnosis, and First CD4 Test Result by Jurisdiction of Residence at HIV Diagnosis, Reported through June 30, 2019

Jurisdiction of Residence at HIV Diagnosis	Population Age 13+	Reported HIV Diagnoses Among People Aged 13+							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.	%	% with Test	Median Count
Calvert	77,463	4	0.8%	5.2	***	***	***	***	***
Charles	134,428	22	4.6%	16.4	***	***	***	***	***
Frederick	214,057	22	4.6%	10.3	95.5%	95.5%	***	95.5%	471
Montgomery	877,597	123	25.5%	14.0	86.2%	91.1%	24.4%	95.1%	358
Prince George’s	760,274	311	64.5%	40.9	82.3%	91.6%	21.5%	94.5%	384
Total	2,063,819	482	100.0%	23.4	84.2%	91.9%	21.0%	94.8%	388

*** Data withheld due to low population counts and/or small numbers

Table 2 – Reported AIDS Diagnoses, Among People Aged 13+ During 2018, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction of Residence at AIDS Diagnosis, Reported through June 30, 2019

Jurisdiction of Residence at AIDS Diagnosis	Population Age 13+	Reported AIDS Diagnoses Among People Aged 13+				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Calvert	77,463	2	0.9%	2.6	***	***
Charles	134,428	8	3.7%	6.0	3.3	12.5%
Frederick	214,057	3	1.4%	1.4	***	***
Montgomery	877,597	63	28.9%	7.2	4.1	49.2%
Prince George's	760,274	142	65.1%	18.7	4.2	47.2%
Total	2,063,819	218	100.0%	10.6	4.1	46.8%

*** Data withheld due to low population counts and/or small numbers

Table 3 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2018, by Jurisdiction of Residence at Diagnosis and Current Residence, Reported through June 30, 2019

Jurisdiction of Residence	Population Age 13+	Total People Aged 13+ Living with Diagnosed HIV							
		Residence at Diagnosis				Current Residence			
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	% Change
Calvert	77,463	113	0.9%	145.9	686	133	1.1%	171.7	17.7%
Charles	134,428	476	3.8%	354.1	282	566	4.6%	421.0	18.9%
Frederick	214,057	360	2.9%	168.2	595	441	3.5%	206.0	22.5%
Montgomery	877,597	4,001	31.9%	455.9	219	3,489	28.0%	397.6	-12.8%
Prince George's	760,274	7,594	60.5%	998.8	100	7,810	62.8%	1,027.3	2.8%
Total	2,063,819	12,544	100.0%	607.8	165	12,439	100.0%	602.7	-0.8%

Table 4 – CD4 Test Results During 2018 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2018, by Jurisdiction of Current Residence, Reported through June 30, 2019

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Calvert	133	112	84.2%	640	8.0%	11.6%	17.9%	62.5%
Charles	566	452	79.9%	651	8.0%	10.4%	15.5%	66.2%
Frederick	441	348	78.9%	635	4.9%	8.6%	15.5%	71.0%
Montgomery	3,489	2,518	72.2%	608	6.8%	11.9%	16.4%	65.0%
Prince George’s	7,810	5,995	76.8%	608	8.2%	11.3%	17.5%	63.1%
Total	12,439	9,425	75.8%	610	7.6%	11.3%	17.0%	64.1%

Table 5 – Viral Load Test Results During 2018 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2018, by Jurisdiction of Current Residence, Reported through June 30, 2019

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV					
	No.	Recent Viral Load Test Result				Median Unsuppressed
		No. with Test	% with Test	% Suppressed		
Calvert	133	110	82.7%	90.9%		3,310
Charles	566	451	79.7%	87.8%		8,214
Frederick	441	349	79.1%	90.8%		10,235
Montgomery	3,489	2,510	71.9%	90.3%		8,410
Prince George's	7,810	5,995	76.8%	86.9%		12,600
Total	12,439	9,415	75.7%	88.0%		11,400

Section V – People Living with Diagnosed HIV by Age

Table 6 – Reported HIV Diagnoses During 2018, Linked to Care, Late Diagnosis, and First CD4 Test Result by Age at HIV Diagnosis, Reported through June 30, 2019

Age at HIV Diagnosis	Population	Reported HIV Diagnoses							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.	%	% with Test	Median Count
<5 (Pediatric)	154,901	1	0.2%	0.6	***	***	***	***	***
5-12 (Pediatric)	252,309	0	0.0%	0.0	--	--	--	--	--
13-19	220,503	27	5.6%	12.2	***	***	***	***	***
20-29	315,122	159	32.9%	50.5	84.3%	93.1%	11.9%	96.2%	428
30-39	340,158	125	25.9%	36.7	88.0%	92.0%	24.8%	91.2%	358
40-49	330,489	86	17.8%	26.0	88.4%	93.0%	31.4%	98.8%	310
50-59	352,083	65	13.5%	18.5	75.4%	83.1%	23.1%	93.8%	336
60+	505,464	20	4.1%	4.0	90.0%	100.0%	40.0%	95.0%	327
Total	2,471,029	483	100.0%	19.5	84.3%	91.9%	21.1%	94.8%	388

*** Data withheld due to low population counts and/or small numbers

Table 7 – People Living with Diagnosed HIV, Alive on December 31, 2018, by Age on December 31, 2018, Reported through June 30, 2019

Age on December 31, 2018	Population	Total People Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
<5 (Pediatric)	154,901	4	0.0%	2.6	38,725
5-12 (Pediatric)	252,309	25	0.2%	9.9	10,092
13-19	220,503	96	0.8%	43.5	2,297
20-29	315,122	1,314	10.5%	417.0	240
30-39	340,158	2,626	21.1%	772.0	130
40-49	330,489	3,071	24.6%	929.2	108
50-59	352,083	3,370	27.0%	957.2	104
60+	505,464	1,962	15.7%	388.2	258
Total	2,471,029	12,468	100.0%	504.6	198

Table 8 – CD4 Test Results During 2018 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2018, by Age on December 31, 2018, Reported through June 30, 2019

Age on December 31, 2018	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	96	80	83.3%	661	3.8%	7.5%	15.0%	73.8%
20-29	1,314	1,024	77.9%	631	6.7%	10.7%	16.0%	66.5%
30-39	2,626	1,946	74.1%	607	8.4%	11.1%	17.4%	63.1%
40-49	3,071	2,290	74.6%	609	7.6%	11.2%	16.6%	64.6%
50-59	3,370	2,593	76.9%	613	8.3%	11.1%	17.2%	63.4%
60+	1,962	1,492	76.0%	597	6.6%	12.5%	17.6%	63.4%
Total	12,439	9,425	75.8%	610	7.6%	11.3%	17.0%	64.1%

Table 9 – Viral Load Test Results During 2018 for People Living with Diagnosed HIV, Alive on December 31, 2018, by Age on December 31, 2018, Reported through June 30, 2019

Age on December 31, 2018	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
13-19	96	84	87.5%	82.1%	13,300
20-29	1,314	1,025	78.0%	76.2%	18,766
30-39	2,626	1,949	74.2%	85.0%	14,812
40-49	3,071	2,281	74.3%	89.2%	8,152
50-59	3,370	2,590	76.9%	90.9%	11,559
60+	1,962	1,486	75.7%	93.7%	4,910
Total	12,439	9,415	75.7%	88.0%	11,400

Section VI – People Aged 13+ Living with Diagnosed HIV by Demographics

Table 10 – Reported HIV Diagnoses, Among People Aged 13+ During 2018, Linked to Care, Late Diagnosis, and First CD4 Test Result by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2019

Demographic Characteristics	Population Age 13+	Reported HIV Diagnoses Among People Aged 13+							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.		%	% with Test
Sex at Birth									
Male	988,217	328	68.0%	33.2	82.6%	91.2%	21.0%	94.5%	385
Female	1,075,602	154	32.0%	14.3	87.7%	93.5%	20.8%	95.5%	424
Gender									
Male	988,217	323	67.0%	32.7	82.4%	91.0%	21.1%	94.7%	385
Female	1,075,602	154	32.0%	14.3	87.7%	93.5%	***	***	***
Transgender Female	--	5	1.0%	--	100.0%	100.0%	***	***	***
Transgender Male	--	0	0.0%	--	--	--	--	--	--
Another Gender Identity	--	0	0.0%	--	--	--	--	--	--
Race/Ethnicity									
Hispanic	315,818	51	10.6%	16.1	86.3%	94.1%	25.5%	96.1%	314
Non-Hispanic	1,748,000	431	89.4%	24.7	84.0%	91.6%	20.4%	94.7%	394
American Indian/Alaska Native, only	5,016	1	0.2%	19.9	***	***	***	***	***
Asian, only	189,719	14	2.9%	7.4	92.9%	100.0%	42.9%	92.9%	280
Black, only	734,786	370	76.8%	50.4	83.2%	91.1%	21.1%	94.6%	390
Native Hawaiian/Other Pacific Islander, only	1,064	0	0.0%	0.0	--	--	--	--	--
White, only	776,404	36	7.5%	4.6	83.3%	91.7%	***	97.2%	434
Multiracial/Other	41,011	10	2.1%	24.4	***	***	***	***	***
Total	2,063,819	482	100.0%	23.4	84.2%	91.9%	21.0%	94.8%	388
Country of Birth									
United States	1,479,950	354	73.4%	23.9	83.6%	91.2%	18.1%	95.2%	397
Foreign-Born	549,249	104	21.6%	18.9	86.5%	95.2%	31.7%	94.2%	323
Africa	--	75	15.6%	--	90.7%	96.0%	32.0%	94.7%	330
Asia	--	7	1.5%	--	100.0%	100.0%	***	100.0%	280
Caribbean	--	6	1.2%	--	***	100.0%	***	***	***
Central America	--	10	2.1%	--	60.0%	80.0%	50.0%	100.0%	134
Other	--	6	1.2%	--	***	100.0%	0.0%	***	***
Unknown	--	24	5.0%	--	83.3%	87.5%	***	91.7%	350
Total	2,029,199	482	100.0%	23.8	84.2%	91.9%	21.0%	94.8%	388

Note. Population data by sex at birth, age, and race/ethnicity are from the 2018 U.S. Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2017 American Community Survey.

*** Data withheld due to low population counts and/or small numbers

Table 11 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2018, by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2019

Demographic Characteristics	Population Age 13+	Total People Aged 13+ Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
Sex at Birth					
Male	988,217	8,195	65.9%	829.3	121
Female	1,075,602	4,244	34.1%	394.6	253
Gender					
Male	988,217	8,122	65.3%	821.9	122
Female	1,075,602	4,241	34.1%	394.3	254
Transgender Female	--	73	0.6%	--	--
Transgender Male	--	3	0.0%	--	--
Another Gender Identity	--	0	0.0%	--	--
Race/Ethnicity					
Hispanic	315,818	1,222	9.8%	386.9	258
Non-Hispanic	1,748,000	11,217	90.2%	641.7	156
American Indian/Alaska Native, only	5,016	9	0.1%	179.4	557
Asian, only	189,719	126	1.0%	66.4	1,506
Black, only	734,786	9,333	75.0%	1,270.2	79
Native Hawaiian/Other Pacific Islander, only	1,064	1	0.0%	94.0	1,064
White, only	776,404	1,158	9.3%	149.1	670
Multiracial/Other	41,011	590	4.7%	1,438.6	70
Total	2,063,819	12,439	100.0%	602.7	166
Country of Birth					
United States	1,479,950	9,579	77.0%	647.3	154
Foreign-Born	549,249	2,451	19.7%	446.2	224
Africa	--	1,641	13.2%	--	--
Asia	--	95	0.8%	--	--
Caribbean	--	153	1.2%	--	--
Central America	--	377	3.0%	--	--
Other	--	185	1.5%	--	--
Unknown	--	409	3.3%	--	--
Total	2,029,199	12,439	100.0%	613.0	163

Note. Population data by sex at birth, age, and race/ethnicity are from the 2018 U.S. Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2017 American Community Survey.

Table 12 – CD4 Test Results During 2018 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2018, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2019

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Sex at Birth								
Male	8,195	6,182	75.4%	597	7.7%	11.9%	17.9%	62.5%
Female	4,244	3,243	76.4%	637	7.5%	10.1%	15.4%	67.0%
Gender								
Male	8,122	6,124	75.4%	596	7.7%	11.9%	17.8%	62.5%
Female	4,241	3,240	76.4%	637	7.5%	10.1%	15.4%	66.9%
Transgender Female	73	***	***	***	***	***	***	***
Transgender Male	3	***	***	***	***	***	***	***
Another Gender Identity	0	--	--	--	--	--	--	--
Race/Ethnicity								
Hispanic	1,222	905	74.1%	584	7.2%	10.4%	19.1%	63.3%
Non-Hispanic	11,217	8,520	76.0%	614	7.7%	11.4%	16.8%	64.1%
American Indian/Alaska Native, only	9	***	***	***	***	***	***	***
Asian, only	126	90	71.4%	582	6.7%	12.2%	22.2%	58.9%
Black, only	9,333	7,090	76.0%	606	8.1%	11.6%	17.3%	63.0%
Native Hawaiian/Other Pacific Islander, only	1	***	***	***	***	***	***	***
White, only	1,158	868	75.0%	673	5.0%	9.6%	11.3%	74.2%
Multiracial/Other	590	465	78.8%	610	7.3%	11.8%	17.8%	63.0%
Country of Birth								
United States	9,579	7,344	76.7%	618	7.8%	10.8%	16.8%	64.5%
Foreign-Born	2,451	1,807	73.7%	581	7.1%	12.9%	18.1%	61.9%
Africa	1,641	1,213	73.9%	564	7.0%	14.7%	19.1%	59.2%
Asia	95	69	72.6%	585	7.2%	11.6%	18.8%	62.3%
Caribbean	153	122	79.7%	646	9.8%	8.2%	12.3%	69.7%
Central America	377	272	72.1%	585	7.0%	10.3%	19.1%	63.6%
Other	185	131	70.8%	666	5.3%	6.9%	11.5%	76.3%
Unknown	409	274	67.0%	621	6.6%	13.5%	15.0%	65.0%
Total	12,439	9,425	75.8%	610	7.6%	11.3%	17.0%	64.1%

*** Data withheld due to low population counts and/or small numbers

Table 13 – Viral Load Test Results During 2018 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2018, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2019

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
Sex at Birth					
Male	8,195	6,166	75.2%	88.1%	14,048
Female	4,244	3,249	76.6%	87.8%	8,323
Gender					
Male	8,122	6,107	75.2%	88.2%	14,200
Female	4,241	3,246	76.5%	87.8%	8,323
Transgender Female	73	***	***	***	***
Transgender Male	3	***	***	***	***
Another Gender Identity	0	--	--	--	--
Race/Ethnicity					
Hispanic	1,222	906	74.1%	90.2%	18,600
Non-Hispanic	11,217	8,509	75.9%	87.8%	11,000
American Indian/Alaska Native, only	9	***	***	***	***
Asian, only	126	93	73.8%	91.4%	152,500
Black, only	9,333	7,077	75.8%	86.9%	10,200
Native Hawaiian/Other Pacific Islander, only	1	***	***	***	***
White, only	1,158	858	74.1%	93.9%	10,695
Multiracial/Other	590	474	80.3%	89.5%	23,761
Country of Birth					
United States	9,579	7,331	76.5%	87.5%	13,993
Foreign-Born	2,451	1,802	73.5%	90.2%	5,879
Africa	1,641	1,212	73.9%	90.2%	2,820
Asia	95	70	73.7%	87.1%	33,300
Caribbean	153	124	81.0%	88.7%	13,600
Central America	377	266	70.6%	91.4%	19,588
Other	185	130	70.3%	91.5%	5,940
Unknown	409	282	68.9%	86.9%	8,540
Total	12,439	9,415	75.7%	88.0%	11,400

*** Data withheld due to low population counts and/or small numbers

Section VII – People Living with Diagnosed HIV by Expanded Demographics

Figure 10 – Population Pyramids of Total People Living with Diagnosed HIV, by Age on December 31, 2018, Sex at Birth, and Race/Ethnicity, Alive on December 31, 2018, and Reported through June 30, 2019

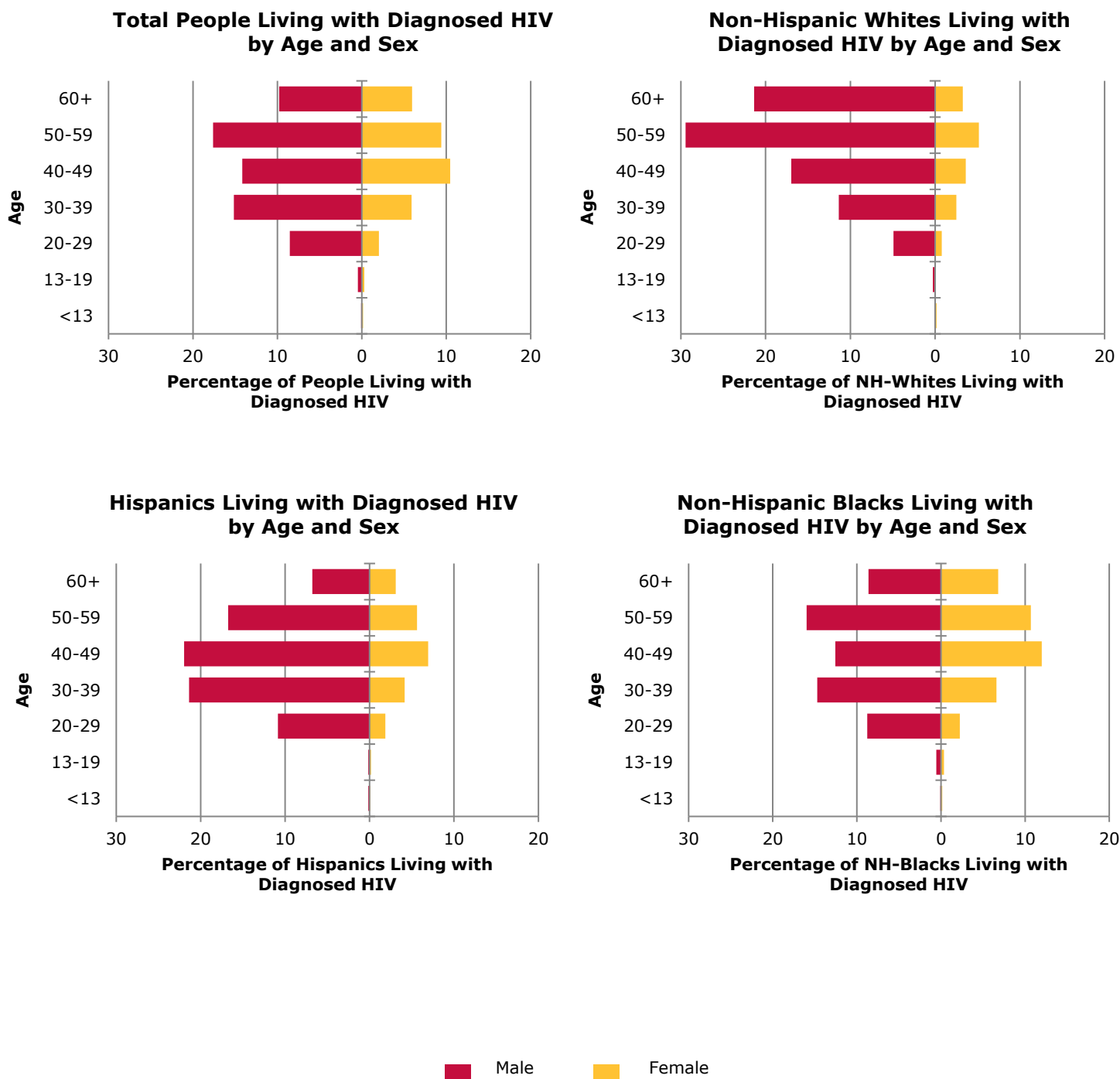


Table 14 – Total Males Living with Diagnosed HIV by Age on December 31, 2018 and Race/Ethnicity, Alive on December 31, 2018, and Reported through June 30, 2019

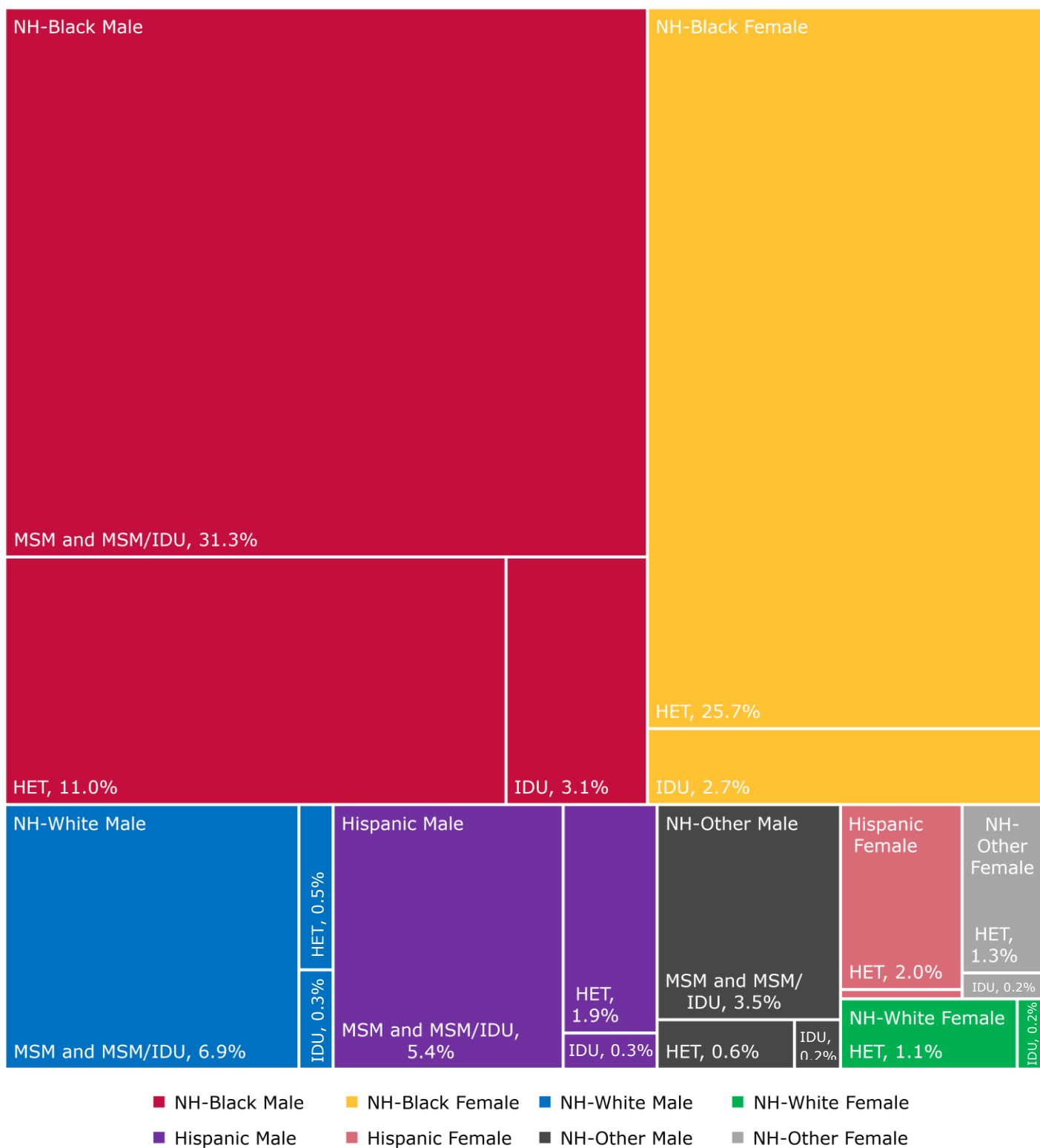
Total Males Living with Diagnosed HIV						
Age on December 31, 2018		Race/Ethnicity				Total Males by Age Group
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	54,220	68,701	58,338	26,704	207,963
	Number	2	8	1	0	11
	Rate	3.7	11.6	1.7	0.0	5.3
	Ratio (1 in X)	27,110	8,588	58,338	--	18,906
13-19	Population	23,833	38,374	36,349	14,025	112,581
	Number	2	51	3	4	60
	Rate	8.4	132.9	8.3	28.5	53.3
	Ratio (1 in X)	11,917	752	12,116	3,506	1,876
20-29	Population	31,224	59,442	50,649	18,342	159,657
	Number	133	820	57	53	1,063
	Rate	426.0	1,379.5	112.5	289.0	665.8
	Ratio (1 in X)	235	72	889	346	150
30-39	Population	38,411	55,745	53,676	19,409	167,241
	Number	262	1,376	132	120	1,890
	Rate	682.1	2,468.4	245.9	618.3	1,130.1
	Ratio (1 in X)	147	41	407	162	88
40-49	Population	33,605	54,724	52,408	18,470	159,207
	Number	269	1,175	197	124	1,765
	Rate	800.5	2,147.1	375.9	671.4	1,108.6
	Ratio (1 in X)	125	47	266	149	90
50-59	Population	21,294	59,866	69,452	16,444	167,056
	Number	205	1,494	342	157	2,198
	Rate	962.7	2,495.6	492.4	954.8	1,315.7
	Ratio (1 in X)	104	40	203	105	76
60+	Population	15,801	67,987	115,534	23,153	222,475
	Number	83	807	248	81	1,219
	Rate	525.3	1,187.0	214.7	349.8	547.9
	Ratio (1 in X)	190	84	466	286	183
Total Males by Race/Ethnicity	Population	218,388	404,839	436,406	136,547	1,196,180
	Number	956	5,731	980	539	8,206
	Rate	437.8	1,415.6	224.6	394.7	686.0
	Ratio (1 in X)	228	71	445	253	146

Table 15 – Total Females Living with Diagnosed HIV by Age on December 31, 2018 and Race/Ethnicity, Alive on December 31, 2018, and Reported through June 30, 2019

Total Females Living with Diagnosed HIV						
Age on December 31, 2018		Race/Ethnicity				Total Females by Age Group
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	51,847	67,013	55,280	25,107	199,247
	Number	1	13	2	2	18
	Rate	1.9	19.4	3.6	8.0	9.0
	Ratio (1 in X)	51,847	5,155	27,640	12,554	11,069
13-19	Population	22,169	37,884	34,426	13,443	107,922
	Number	2	33	1	0	36
	Rate	9.0	87.1	2.9	0.0	33.4
	Ratio (1 in X)	11,085	1,148	34,426	--	2,998
20-29	Population	28,189	61,296	47,355	18,625	155,465
	Number	23	208	9	11	251
	Rate	81.6	339.3	19.0	59.1	161.5
	Ratio (1 in X)	1,226	295	5,262	1,693	619
30-39	Population	32,597	63,528	54,151	22,641	172,917
	Number	51	616	29	40	736
	Rate	156.5	969.7	53.6	176.7	425.6
	Ratio (1 in X)	639	103	1,867	566	235
40-49	Population	28,407	65,996	54,238	22,641	171,282
	Number	85	1,119	42	60	1,306
	Rate	299.2	1,695.6	77.4	265.0	762.5
	Ratio (1 in X)	334	59	1,291	377	131
50-59	Population	20,350	72,731	71,834	20,112	185,027
	Number	69	998	60	45	1,172
	Rate	339.1	1,372.2	83.5	223.7	633.4
	Ratio (1 in X)	295	73	1,197	447	158
60+	Population	19,938	97,213	136,332	29,506	282,989
	Number	38	636	38	31	743
	Rate	190.6	654.2	27.9	105.1	262.6
	Ratio (1 in X)	525	153	3,588	952	381
Total Females by Race/Ethnicity	Population	203,497	465,661	453,616	152,075	1,274,849
	Number	269	3,623	181	189	4,262
	Rate	132.2	778.0	39.9	124.3	334.3
	Ratio (1 in X)	756	129	2,506	805	299

Section VIII – HIV Exposure Category

Figure 11 – Proportion of Total People Aged 13+ Living with Diagnosed HIV, by Estimated Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on December 31, 2018, Reported through June 30, 2019



Note. Other exposure category and perinatal transmission not shown (<2 percent). Multiple imputation was used to estimate and adjust for missing transmission category.

Table 16 – Reported HIV Diagnoses, Among People Aged 13+ During 2018, Linked to Care, Late Diagnosis, and First CD4 Test Result, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2019

Estimated or Reported Exposure Category	No.	Reported HIV Diagnoses Among People Aged 13+					
		% of Total	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 mo.	% 3 mo.	%	% with Test	Median Count
Male-to-male Sexual Contact (MSM)	240	49.8%	82.8%	91.5%	15.2%	94.5%	390
Injection Drug Use (IDU)	18	3.8%	68.5%	72.9%	***	86.2%	427
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	6	1.2%	***	***	***	***	***
Heterosexual Contact (HET)	217	45.0%	86.9%	93.8%	27.2%	95.7%	385
Perinatal Transmission	1	0.2%	***	***	***	***	***
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	482	100.0%	84.2%	91.9%	21.0%	94.8%	388

Male Estimated or Reported Exposure Category							
Male-to-male Sexual Contact (MSM)	240	73.2%	82.8%	91.5%	15.2%	94.5%	390
Injection Drug Use (IDU)	11	3.5%	66.1%	69.6%	***	78.3%	346
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	6	1.8%	93.1%	96.6%	***	98.3%	336
Heterosexual Contact (HET)	71	21.5%	84.0%	93.2%	40.2%	96.7%	282
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	328	100.0%	82.6%	91.2%	21.0%	94.5%	385

Female Estimated or Reported Exposure Category							
Injection Drug Use (IDU)	7	4.3%	***	***	***	***	***
Heterosexual Contact (HET)	146	95.1%	88.3%	94.1%	20.9%	95.2%	397
Perinatal Transmission	1	0.6%	***	***	***	***	***
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	154	100.0%	87.7%	93.5%	20.8%	95.5%	424

Note. Data for 2018 are preliminary because they are based on a 6-month reporting delay and should not be used to assess trends. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median count is weighted based on statistical adjustment. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Expansive People Supplement.

*** Data withheld due to low population counts and/or small numbers

Table 17 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2018, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2019

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV	
	No.	% of Total
Male-to-male Sexual Contact (MSM)	5,577	44.8%
Injection Drug Use (IDU)	893	7.2%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	290	2.3%
Heterosexual Contact (HET)	5,500	44.2%
Perinatal Transmission	129	1.0%
Other Exposure	13	0.1%
No Estimated or Reported Exposure	37	0.3%
Total	12,439	100.0%

Male Estimated or Reported Exposure Category		
Male-to-male Sexual Contact (MSM)	5,577	68.1%
Injection Drug Use (IDU)	485	5.9%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	290	3.5%
Heterosexual Contact (HET)	1,757	21.4%
Perinatal Transmission	58	0.7%
Other Exposure	5	0.1%
No Estimated or Reported Exposure	23	0.3%
Total	8,195	100.0%

Female Estimated or Reported Exposure Category		
Injection Drug Use (IDU)	408	9.6%
Heterosexual Contact (HET)	3,743	88.2%
Perinatal Transmission	71	1.7%
Other Exposure	8	0.2%
No Estimated or Reported Exposure	14	0.3%
Total	4,244	100.0%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Expansive People Supplement.

Table 18 – People Aged 13+ Living with Diagnosed HIV by Estimated or Reported Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on December 31, 2018, and Reported through June 30, 2019

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total	No.	% of Total	No.	% of Total
Male-to-male Sexual Contact (MSM)	650	53.2%	3,703	39.7%	814	70.3%
Injection Drug Use (IDU)	51	4.1%	721	7.7%	68	5.9%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	26	2.1%	189	2.0%	56	4.8%
Heterosexual Contact (HET)	483	39.5%	4,572	49.0%	208	18.0%
Perinatal Transmission	9	0.7%	110	1.2%	5	0.4%
Other Exposure	1	0.1%	8	0.1%	3	0.3%
No Estimated or Reported Exposure	2	0.2%	30	0.3%	4	0.3%
Total	1,222	100.0%	9,333	100.0%	1,158	100.0%
Male Estimated or Reported Exposure Category						
Male-to-male Sexual Contact (MSM)	650	68.2%	3,703	64.7%	814	83.1%
Injection Drug Use (IDU)	34	3.6%	388	6.8%	37	3.8%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	26	2.7%	189	3.3%	56	5.7%
Heterosexual Contact (HET)	238	24.9%	1,373	24.0%	67	6.8%
Perinatal Transmission	4	0.4%	49	0.9%	2	0.2%
Other Exposure	1	0.1%	1	0.0%	2	0.2%
No Estimated or Reported Exposure	1	0.1%	20	0.3%	1	0.1%
Total	954	100.0%	5,723	100.0%	979	100.0%
Female Estimated or Reported Exposure Category						
Injection Drug Use (IDU)	17	6.3%	333	9.2%	31	17.2%
Heterosexual Contact (HET)	245	91.5%	3,199	88.6%	141	78.9%
Perinatal Transmission	5	1.9%	61	1.7%	3	1.7%
Other Exposure	0	0.0%	7	0.2%	1	0.6%
No Estimated or Reported Exposure	1	0.4%	10	0.3%	3	1.7%
Total	268	100.0%	3,610	100.0%	179	100.0%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Expansive People Supplement.

Table 19 – CD4 Test Results During 2018 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2018, by Estimated or Reported Exposure Category, Reported through June 30, 2019

Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male-to-male Sexual Contact (MSM)	5,577	4,257	76.3%	622	6.6%	10.7%	16.8%	65.9%
Injection Drug Use (IDU)	893	650	72.8%	594	9.4%	12.9%	15.9%	61.8%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	290	228	78.7%	557	9.0%	14.1%	19.4%	57.6%
Heterosexual Contact (HET)	5,500	4,147	75.4%	606	8.2%	11.5%	17.3%	63.0%
Perinatal Transmission	129	104	80.6%	608	13.5%	10.6%	13.5%	62.5%
Other Exposure	13	11	84.6%	489	0.0%	36.4%	18.2%	45.5%
No Estimated or Reported Exposure	37	28	75.7%	527	17.9%	14.3%	14.3%	53.6%
Total	12,439	9,425	75.8%	610	7.6%	11.3%	17.0%	64.1%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median count is weighted based on statistical adjustment.

Table 20 – Viral Load Test Results During 2018 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2018, by Estimated or Reported Exposure Category, Reported through June 30, 2019

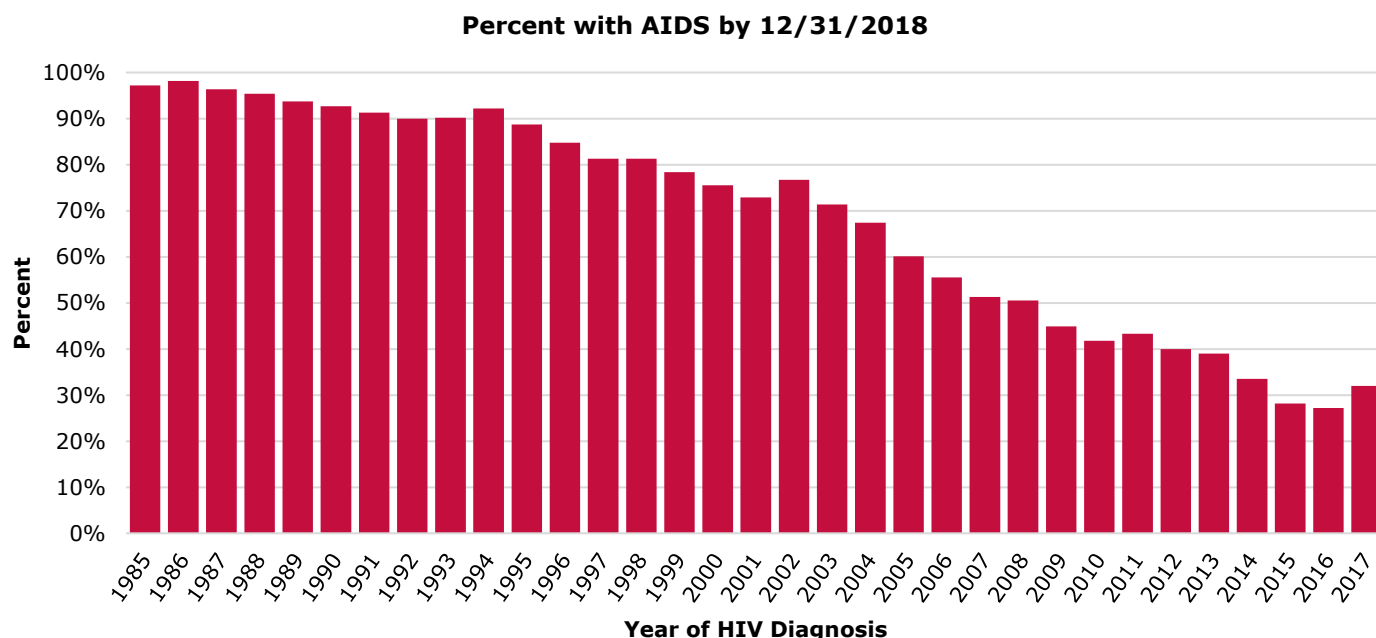
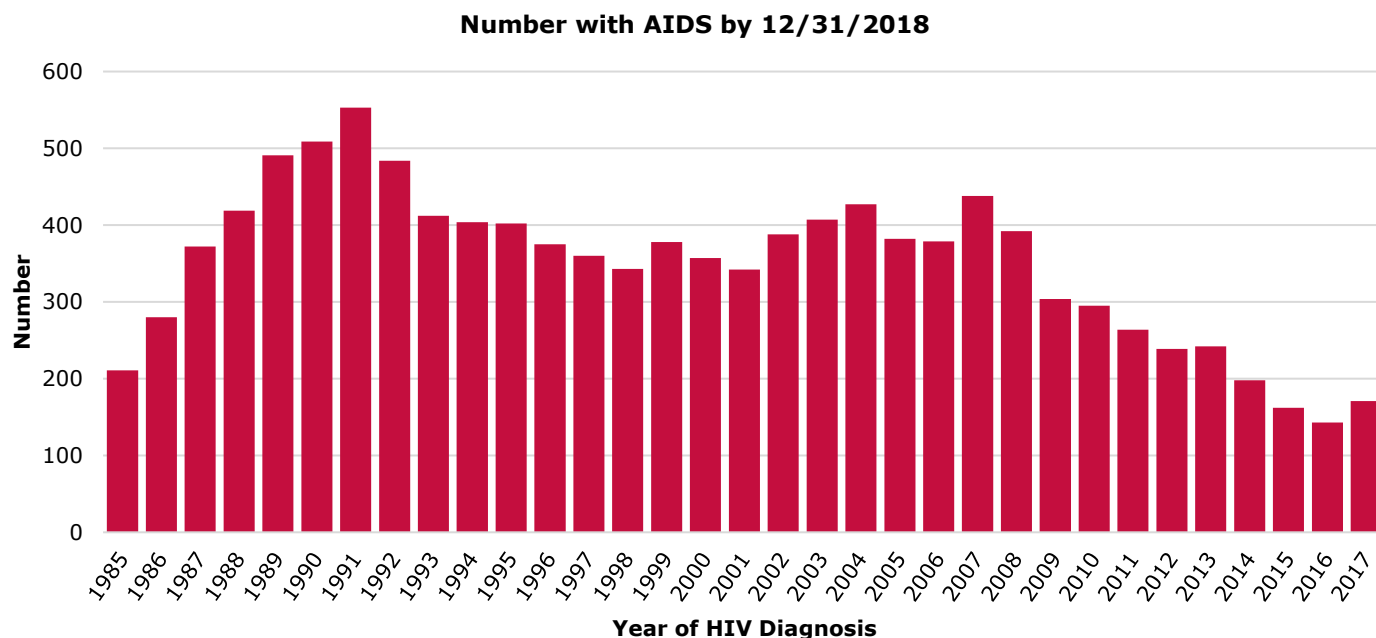
Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male-to-male Sexual Contact (MSM)	5,577	4,259	76.4%	88.4%	13,300
Injection Drug Use (IDU)	893	645	72.2%	87.7%	14,300
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	290	224	77.3%	86.3%	20,073
Heterosexual Contact (HET)	5,500	4,142	75.3%	88.4%	9,510
Perinatal Transmission	129	106	82.2%	72.6%	10,700
Other Exposure	13	11	84.6%	90.9%	370
No Estimated or Reported Exposure	37	28	75.7%	60.7%	4,130
Total	12,439	9,415	75.7%	88.0%	11,400

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median unsuppressed is weighted based on statistical adjustment.

Section IX – Disease Progression and Mortality

Figure 12 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2017, Reported through June 30, 2019

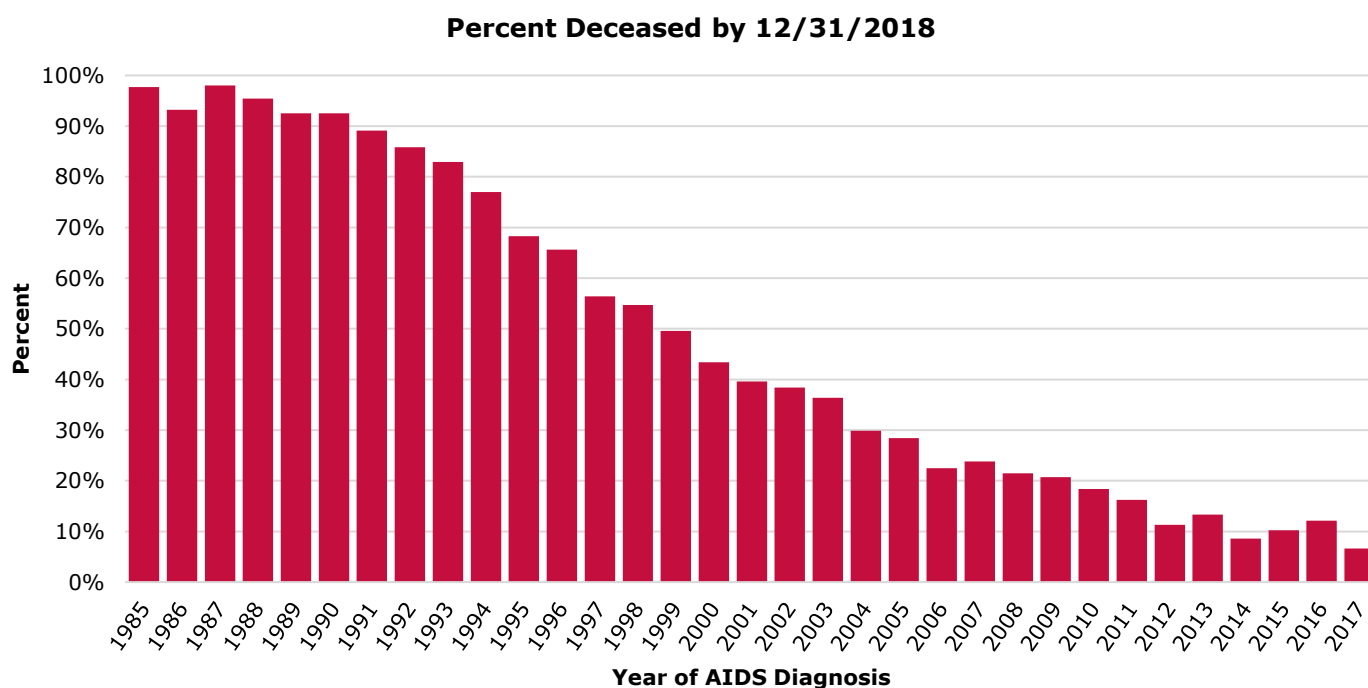
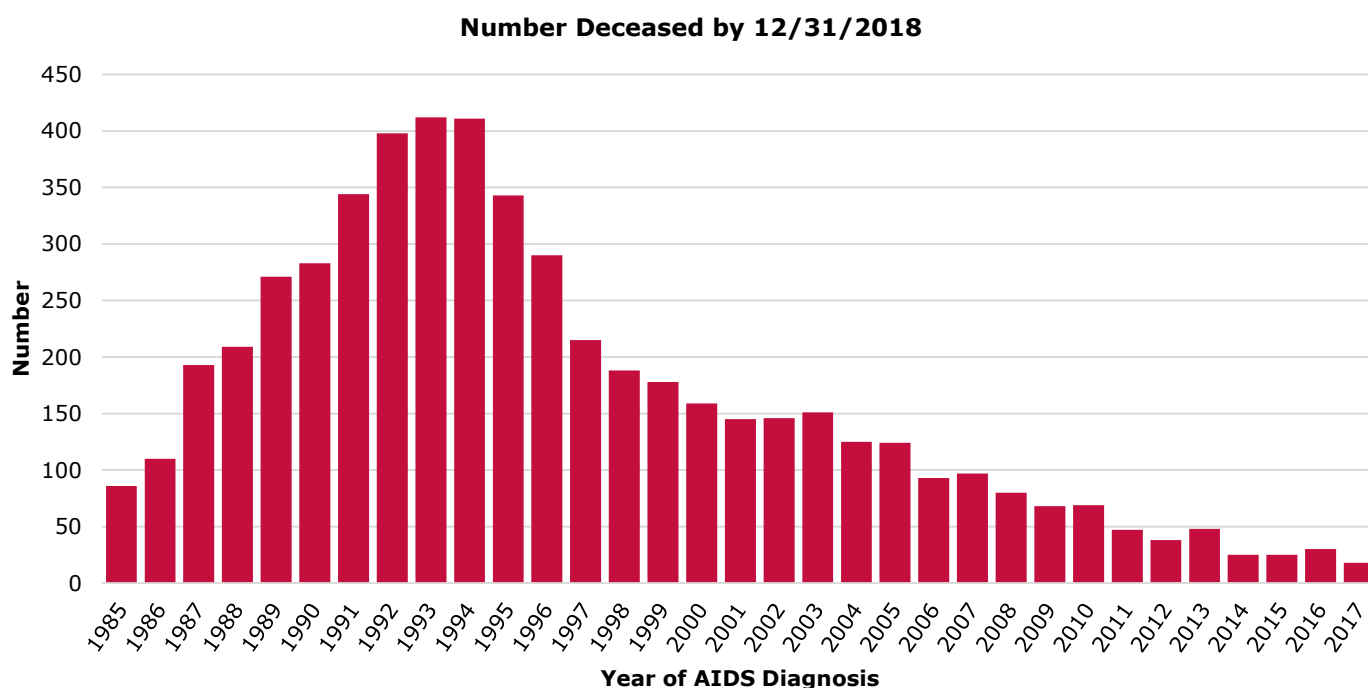
Number of People Aged 13+ with Diagnosed HIV, Age 13+ at HIV Diagnosis, (Reported HIV Diagnoses Among People Aged 13+), Number of People Aged 13+ with Diagnosed HIV with an AIDS Diagnosis by December 31, 2018 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis Among People Aged 13+ by December 31, 2018, the Average Years from HIV Diagnosis to AIDS Diagnosis for People with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis Among People Aged 13+ at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2017, Reported through June 30, 2019



Reported HIV Diagnoses Among People Aged 13+								
Year of HIV Diagnosis	Reported AIDS Diagnoses				Percent with AIDS by Years After HIV Diagnosis			
	No.	Reported AIDS Diagnoses		Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
		No.	% with AIDS					
<1985	120	114	7.7	95.0%	42.5%	42.5%	45.8%	59.2%
1985	217	211	5.9	97.2%	40.6%	41.9%	49.3%	76.5%
1986	285	280	4.9	98.2%	43.2%	43.9%	54.0%	86.0%
1987	386	372	3.9	96.4%	47.9%	48.7%	65.0%	87.0%
1988	439	419	3.2	95.4%	48.7%	53.5%	72.9%	88.8%
1989	524	491	2.9	93.7%	50.2%	53.1%	73.7%	88.5%
1990	549	509	3.0	92.7%	48.1%	55.7%	73.6%	87.1%
1991	606	553	2.6	91.3%	52.1%	60.7%	78.2%	85.1%
1992	538	484	2.9	90.0%	49.3%	56.9%	73.4%	82.5%
1993	457	412	2.1	90.2%	60.2%	66.1%	77.0%	85.1%
1994	438	404	2.0	92.2%	65.8%	71.7%	78.1%	86.5%
1995	453	402	2.0	88.7%	63.6%	68.9%	74.4%	83.9%
1996	442	375	2.0	84.8%	62.2%	64.3%	72.4%	80.3%
1997	443	360	1.9	81.3%	59.6%	63.2%	69.1%	77.2%
1998	422	343	2.0	81.3%	58.5%	62.6%	69.2%	76.3%
1999	482	378	1.8	78.4%	58.9%	62.9%	67.8%	73.2%
2000	473	357	2.0	75.5%	54.8%	57.7%	64.3%	71.5%
2001	469	342	2.0	72.9%	52.7%	54.6%	62.5%	68.2%
2002	506	388	1.5	76.7%	59.9%	64.0%	69.0%	73.1%
2003	570	407	1.6	71.4%	54.9%	57.2%	62.3%	68.1%
2004	634	427	1.6	67.4%	51.4%	53.9%	57.9%	65.1%
2005	636	382	1.3	60.1%	47.3%	50.0%	54.1%	58.6%
2006	683	379	1.6	55.5%	40.7%	43.3%	49.0%	53.7%
2007	854	438	1.7	51.3%	36.2%	38.3%	43.9%	49.5%
2008	776	392	1.4	50.5%	36.6%	39.4%	46.0%	50.1%
2009	677	304	1.6	44.9%	31.3%	33.5%	38.7%	--
2010	706	295	1.2	41.8%	30.2%	33.0%	37.8%	--
2011	609	264	1.1	43.3%	33.3%	36.5%	39.7%	--
2012	597	239	0.9	40.0%	31.5%	34.3%	38.0%	--
2013	621	242	0.7	39.0%	32.9%	34.5%	38.0%	--
2014	591	198	0.6	33.5%	26.6%	28.6%	--	--
2015	575	162	0.5	28.2%	24.5%	26.1%	--	--
2016	526	143	0.4	27.2%	24.1%	26.0%	--	--
2017	535	171	0.2	32.0%	30.7%	--	--	--
Total	17,839	11,637	2.1	65.2%	44.4%	47.7%	55.0%	61.8%

**Figure 13 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2017,
Reported through June 30, 2019**

Number of People Aged 13+ with Diagnosed HIV, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by December 31, 2017 (Reported AIDS Diagnoses), Number of Reported AIDS Diagnosis Among People Aged 13+ Reported to Have Died of Any Cause by December 31, 2018 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) Among People Aged 13+ by December 31, 2018, the Average Years from AIDS Diagnosis to Death for People that have Died, and the Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses Among People Aged 13+ Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2017, Reported through June 30, 2019



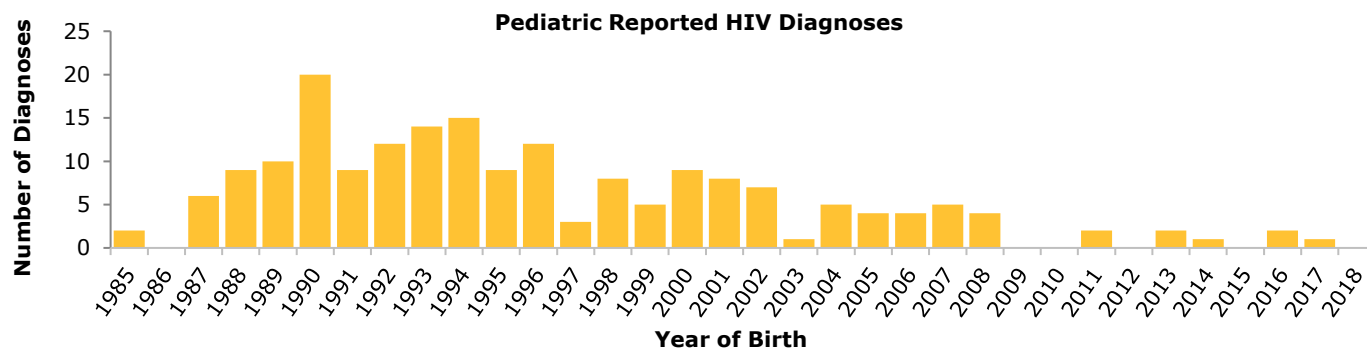
Year of AIDS Diagnosis	Reported AIDS Diagnoses Among People Aged 13+							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Deceased	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	59	59	0.9	100.0%	33.9%	6.8%	3.4%	0.0%
1985	88	86	1.4	97.7%	40.9%	15.9%	11.4%	3.4%
1986	118	110	1.9	93.2%	51.7%	32.2%	12.7%	9.3%
1987	197	193	2.1	98.0%	52.3%	29.4%	10.7%	6.6%
1988	219	209	2.0	95.4%	61.6%	36.1%	13.2%	6.8%
1989	293	271	3.2	92.5%	68.6%	50.9%	21.8%	13.7%
1990	306	283	3.0	92.5%	65.4%	49.0%	22.5%	14.4%
1991	386	344	2.7	89.1%	68.1%	51.8%	19.9%	15.3%
1992	464	398	3.1	85.8%	74.4%	53.9%	26.1%	20.9%
1993	497	412	3.6	82.9%	73.4%	58.1%	34.0%	26.2%
1994	534	411	3.6	77.0%	76.2%	55.4%	41.0%	30.9%
1995	502	343	4.8	68.3%	75.7%	65.7%	55.2%	43.6%
1996	442	290	5.3	65.6%	81.0%	75.1%	64.3%	47.5%
1997	381	215	5.3	56.4%	81.9%	76.6%	65.9%	55.1%
1998	344	188	5.5	54.7%	85.5%	81.7%	71.2%	55.8%
1999	359	178	4.9	49.6%	85.0%	79.4%	70.8%	58.2%
2000	366	159	6.0	43.4%	91.8%	89.6%	79.0%	65.8%
2001	366	145	4.9	39.6%	87.7%	84.2%	76.2%	67.5%
2002	380	146	4.5	38.4%	88.9%	86.1%	75.5%	67.9%
2003	415	151	4.5	36.4%	88.7%	83.9%	77.1%	70.1%
2004	418	125	4.6	29.9%	90.7%	87.8%	82.1%	75.4%
2005	436	124	3.9	28.4%	90.4%	88.3%	81.2%	74.3%
2006	414	93	4.0	22.5%	93.0%	91.1%	86.0%	78.7%
2007	407	97	3.6	23.8%	90.9%	88.2%	84.5%	77.1%
2008	372	80	2.7	21.5%	90.3%	87.6%	83.6%	79.0%
2009	328	68	2.6	20.7%	90.5%	89.0%	84.1%	--
2010	375	69	2.5	18.4%	92.8%	90.1%	85.6%	--
2011	291	47	2.1	16.2%	94.2%	91.1%	84.9%	--
2012	336	38	1.6	11.3%	93.2%	91.7%	89.9%	--
2013	360	48	1.4	13.3%	93.1%	90.3%	87.2%	--
2014	290	25	1.3	8.6%	95.9%	93.8%	--	--
2015	245	25	0.9	10.2%	92.7%	91.4%	--	--
2016	248	30	0.5	12.1%	90.3%	88.3%	--	--
2017*	272	18	0.5	6.6%	94.5%	--	--	--
Total	11,508	5,478	47.6%	3.6	83.1%	75.3%	64.4%	57.4%

*2017 AIDS deaths are preliminary

Section X – Pediatrics

Figure 14 – Trends in Reported HIV Diagnoses Among People Aged <13, 1985-2018, Reported through June 30, 2019

Number of Pediatric HIV Diagnoses, Age <13 at HIV Diagnosis, (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Children with Diagnosed HIV, Age <13 at HIV Diagnosis, and Not Reported to have Died as of December 31st of Each Year (Total Living Pediatric Diagnoses) from 1985 through 2018, as Reported by Name through June 30, 2019



Year	Pediatric Reported HIV Diagnoses				Total Living Pediatric Diagnoses Alive on December 31 st of Each Year
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	
<1985	22	2	0	0	--
1985	2	5	2	1	7
1986	0	6	0	0	13
1987	6	6	4	0	19
1988	9	2	3	2	20
1989	10	8	5	2	26
1990	20	14	6	4	36
1991	9	14	8	3	47
1992	12	10	8	2	53
1993	14	8	9	4	56
1994	15	8	6	2	62
1995	9	9	9	6	64
1996	12	14	11	2	74
1997	3	7	6	1	80
1998	8	5	2	3	82
1999	5	10	6	0	91
2000	9	7	3	1	97
2001	8	5	2	2	101
2002	7	10	2	0	111
2003	1	4	2	4	110
2004	5	5	2	2	113
2005	4	7	3	1	119
2006	4	9	3	1	127
2007	5	11	3	1	137
2008	4	6	1	0	145
2009	0	3	2	0	148
2010	0	1	1	2	148
2011	2	2	2	0	151
2012	0	1	0	0	154
2013	2	2	1	1	156
2014	1	4	1	0	160
2015	0	0	6	0	160
2016	2	3	3	1	163
2017	1	2	1	0	167
2018	0	1	4	1	168
Total	211	211	127	49	--

Table 21 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2018, by Jurisdiction of Current Residence, Reported through June 30, 2019

Jurisdiction of Current Residence	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Calvert	0	0.0%
Charles	4	13.8%
Frederick	1	3.4%
Montgomery	9	31.0%
Prince George's	15	51.7%
Total	29	100.0%

Table 22 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2018, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2019

Demographic Characteristic	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Sex at Birth		
Male	11	37.9%
Female	18	62.1%
Race/Ethnicity		
Hispanic	3	10.3%
Non-Hispanic	26	89.7%
American Indian/Alaska Native, only	0	0.0%
Asian, only	1	3.4%
Black, only	21	72.4%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	3	10.3%
Multiracial/Other	1	3.4%
Total	29	100.0%

Glossary of Terms

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Age on [date]: Age group of people living with diagnosed HIV on the specified date.

Another Gender Identity: All other gender identities or gender expressions.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of people living with diagnosed HIV with a CD4 test distributed by their CD4 count results (cells per microliter).

CD4 With Test: Number and percent of total people aged 13+ living with diagnosed HIV with a recent CD4 test result.

Corrections: Residence in a state or federal prison. Does not include local jails and detention centers.

Current Residence: Jurisdiction of residence from the most recent report since January 1, 2009.

First CD4 Test Result Median Count: Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

First CD4 Test Result Percent with Test: Percent of reported HIV diagnoses among people aged 13+ with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

Gender Expression: People's outward presentation of their gender which may or may not conform to socially defined behaviors and characteristics typically associated with being either masculine or feminine.

Gender Identity: Refers to one's internal understanding of one's own gender, or the gender with which a person identifies.

Jurisdiction of Current Residence: Jurisdiction of residence from the most recent report since January 1, 2009.

Jurisdiction of Residence: Jurisdiction of residence at diagnosis or current residence.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at the later time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Late HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 3 months after their initial HIV diagnosis.

Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

People Aged 13+ Living with Diagnosed HIV: Reported HIV diagnoses, age 13 years or older as of December 31st of the specified year and not reported to have died as of December 31st of the specified year.

People Living with Diagnosed HIV: Reported HIV diagnoses not reported to have died as of December 31st of the specified year.

Mean Years from HIV Diagnosis: Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for people living with a reported AIDS diagnosis.

Mean Years from AIDS diagnosis to AIDS Death: Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

Median Count: Median CD4 count (cells per microliter), among total people aged 13+ living with diagnosed HIV, of the most recent CD4 test result measured in the specified year.

Median Unsuppressed: Median unsuppressed viral load (copies per milliliter) among people aged 13+ living with diagnosed HIV of the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

Percent Change: The percent change in number of total people aged 13+ living with diagnosed HIV from residence at diagnosis to current residence.

Percent Alive by Years after AIDS Diagnosis: Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

Percent Late HIV Diagnosis: Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 3 months prior to their initial AIDS diagnosis.

Percent Suppressed: Percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

Percent with AIDS by Years after HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

Perinatal HIV Transmission Percent: Percent of confirmed perinatal HIV transmissions among reported perinatal HIV exposures by year of birth.

Perinatal HIV Transmission Rate: Number of confirmed perinatal HIV transmissions divided by the number of live births multiplied by 100,000 by year of birth.

Population: Population estimate for July 1, 2018.

Population Age 13+: Population age 13 years or older, estimate for July 1, 2018.

Rate: Number of people living with diagnosed HIV divided by the population and multiplied by 100,000.

Ratio (1 in X): Number of people for every 1 person living with diagnosed HIV in the population, or 1 person living with diagnosed HIV in every X number of people.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year.

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year.

Reported AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Reported AIDS Diagnoses Among People Aged 13+: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Reported HIV Diagnoses Among People Aged 13+: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Residence at Diagnosis: Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

Retained in HIV Care: HIV diagnosed with a reported CD4 or viral load test result performed or reported antiretroviral use in the specified year.

Suppressed Viral Load: HIV diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

Total People Aged 13+ Living with Diagnosed HIV: Reported HIV diagnoses, age 13 years or older as of December 31st of the specified year not reported to have died as of December 31st of the specified year.

Total People Aged <13 Living with Diagnosed HIV: Reported HIV diagnosis, age less than 13 years at HIV diagnosis and not reported to have died as of December 31st of the specified year.

Total People Living with Diagnosed HIV: Reported HIV diagnoses not reported to have died as of December 31st of the specified year.

Transgender Female: A person whose sex assigned at birth is male but who identify as a woman.

Transgender Male: A person whose sex assigned at birth is female but who identify as a man.

Viral Load With Test: Number and percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result.

Women of Childbearing Age Living with Diagnosed HIV: Reported HIV diagnoses among women of childbearing age (13-49 years old).